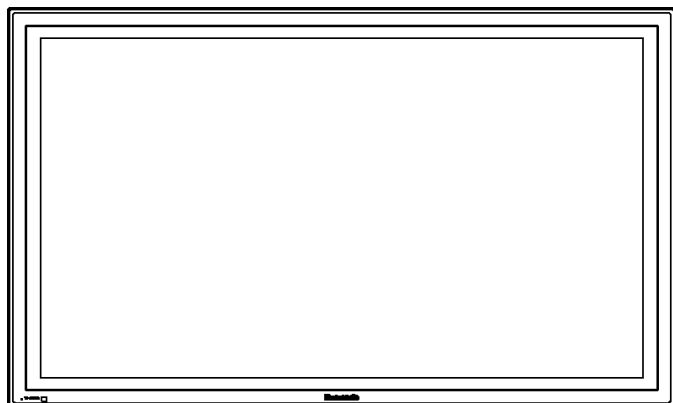


Service Manual

High Definition Plasma Display



TH-50PH10BK

TH-50PH10BS

TH-50PH10EK

TH-50PH10ES

GPH10D Chassis

Specifications

Power Source	220-240 V AC, 50/60Hz	
Power Consumption		
Power on	485 W	
Stand-by condition	Save OFF 0.8 W, Save ON 0.6 W	
Power off condition	0.3W	
Plasma Display panel	Drive method: AC type 50-inch, 16:9 aspect ratio	
Screen size	1,106 mm (W) × 622 mm (H) × 1,269 mm (diagonal)	
(No. of pixels)	1,366 (W) × 768 (H) [4,098 × 768 dots]	
Operating condition		
Temperature	0 °C - 40 °C	
Humidity	20 % - 80 %	
Applicable signals		
Color System	NTSC, PAL, PAL60, SECAM, Modified NTSC	
Scanning format	525 (480) / 60i • 60p, 625 (575) / 50i • 50p, 750 (720) / 60p • 50p, 1125 (1080) / 60i • 50i • 24p • 25p • 30p • 24sF SMPTE274M, 1250 (1080) / 50i	
PC signals	VGA, SVGA, XGA, SXGA, UXGA (compressed) Horizontal scanning frequency 15 - 110 kHz Vertical scanning frequency 48 - 120 Hz	
Connection terminals		
AV IN	VIDEO IN (BNC)	1.0 Vp-p (75-ohm)
	S VIDEO IN (MINI DIN 4PIN)	Y: 1 Vp-p (75-ohm), C: 0.286 Vp-p (75-ohm)
	AUDIO IN (RCA PIN JACK × 4)	0.5 Vrms (high impedance)
PC IN	(HIGH-DENSITY Mini-D-SUB 15PIN)	Y or G with/sync 1.0 Vp-p (75-ohm) Y or G without/sync 0.7 Vp-p (75-ohm)

B / P_B / C_B:0.7 Vp-p (75-ohm)R / P_R / C_R:0.7 Vp-p (75-ohm)

HD / VD:1.0-5.0 Vp-p (high impedance)

VBS (use HD port)

with/picture 1.0 Vp-p (high impedance)

without/picture 0.3 Vp-p (high impedance)

AUDIO IN (M3 JACK)

0.5 Vrms (high impedance)

SERIAL

EXTERNAL CONTROL TERMINAL (D-SUB 9PIN) RS-232C COMPATIBLE

SPEAKERS (6Ω)

16 W [8 W + 8 W] (10 % THD)

Accessories Supplied

Remote Control Transmitter EUR7636090R

Batteries 2 × R6 Size

Fixing bands TMME203 × 2

Dimensions (W × H × D)

1,210 mm) × 724 mm × 95 mm

Mass (weight)

main unit only approx. 36.0 kg net

with speakers approx. 40.0 kg

Notes:

- Design and specifications are subject to change without notice. Mass and dimensions shown are approximate.
- This equipment complies with the EMC standards listed below.
- EN55022, EN55024, EN61000-3-2, EN61000-3-3. (EK/ES/BK/BS)

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

CONTENTS**Page****Page**

1 Applicable signals	4
-----------------------------------	----------

2 Safety Precautions	5
-----------------------------------	----------

2.1. General Guidelines	5
-------------------------------	---

2.2. Touch-Current Check	5
--------------------------------	---

3 Prevention of Electro static Discharge (ESD) to	
--	--

Electrostatically Sensitive (ES) Devices	6
---	----------

4 About lead free solder (PbF)	7
---	----------

5 Service Hint	8
-----------------------------	----------

6 Disassembly	9
----------------------------	----------

6.1. Removal of the Back Cover	9
--------------------------------------	---

6.2. Removal the of HU-Board	9
------------------------------------	---

6.3. Removal of the Slot Block	9
--------------------------------------	---

6.4. Removal of the DS-Board	9
------------------------------------	---

6.5. Removal of the HX-Board	10
------------------------------------	----

6.6. Removal of the D-Board	10
-----------------------------------	----

6.7. Removal of the P-Board	10
-----------------------------------	----

6.8. Removal of the DN-Board	10
------------------------------------	----

6.9. Removal of the H3-Board (L, R)	11
---	----

6.10. Removal of the SU-Board and the SD-Board	11
--	----

6.11. Removal of the SC-Board	11
-------------------------------------	----

6.12. Removal of the SS2-Board and the SS3-Board	11
--	----

6.13. Removal of the SS-Board	12
-------------------------------------	----

6.14. Removal of the stand blocks	12
---	----

6.15. Removal of the C1, C2, and the C3-Board	13
---	----

6.16. Removal of the S1-Board	13
-------------------------------------	----

6.17. Removal of the Fan	14
--------------------------------	----

6.18. Removal of the Escutcheon	14
---------------------------------------	----

6.19. Removal of the V1-Board and the V2-Board	14
--	----

6.20. Removal of the Plasma Panel	15
---	----

7 Location of Lead Wiring	19
--	-----------

7.1. Lead Wiring (1)	19
----------------------------	----

7.2. Lead Wiring (2)	20
----------------------------	----

8 Adjustment Procedure	21
-------------------------------------	-----------

8.1. Driver Set-up	21
--------------------------	----

8.2. Initialization Pulse Adjust	22
--	----

8.3. P.C.B. (Print Circuit Board) Remove	22
--	----

8.4. Adjustment Volume Location	23
---------------------------------------	----

8.5. Test Point Location	23
--------------------------------	----

9 Service mode	24
-----------------------------	-----------

9.1. CAT (Computer Aided Test) mode	24
---	----

9.2. IIC mode structure (following items value is sample data.)	
---	--

.....	27
-------	----

10 Adjustment	28
----------------------------	-----------

10.1. RGB white balance adjustment	28
--	----

10.2. HD white balance adjustment	30
---	----

10.3. Power control adjustment	32
--------------------------------------	----

11 Trouble shooting guide	33
--	-----------

11.1. Self Check	33
------------------------	----

11.2. No Power	35	14.21. DN-Board (2 of 6) Schematic Diagram	83
11.3. No Picture	35	14.22. DN-Board (3 of 6) Schematic Diagram	84
11.4. Local screen failure	36	14.23. DN-Board (4 of 6) Schematic Diagram	85
12 Option Setting	37	14.24. DN-Board (5 of 6) Schematic Diagram	86
13 Conductor Views	39	14.25. DN-Board (6 of 6) Schematic Diagram	87
13.1. P-Board	39	14.26. D-Board Block Diagram	88
13.2. HU-Board	42	14.27. D-Board (1 of 6) Schematic Diagram	89
13.3. HX-Board	43	14.28. D-Board (2 of 6) Schematic Diagram	90
13.4. H3, S1, V1 and V2-Board	44	14.29. D-Board (3 of 6) Schematic Diagram	91
13.5. DS-Board	45	14.30. D-Board (4 of 6) Schematic Diagram	92
13.6. DN-Board	47	14.31. D-Board (5 of 6) Schematic Diagram	93
13.7. D-Board	49	14.32. D-Board (6 of 6) Schematic Diagram	94
13.8. C1-Board	51	14.33. C1, C2 and C3-Board Block Diagram	95
13.9. C2-Board	52	14.34. C1-Board (1 of 3) Schematic Diagram	96
13.10. C3-Board	53	14.35. C1-Board (2 of 3) Schematic Diagram	97
13.11. SC-Board	54	14.36. C1-Board (3 of 3) Schematic Diagram	98
13.12. SU-Board	57	14.37. C2-Board (1 of 2) Schematic Diagram	99
13.13. SD-Board	58	14.38. C2-Board (2 of 2) Schematic Diagram	100
13.14. SS-Board	59	14.39. C3-Board (1 of 2) Schematic Diagram	101
13.15. SS2 and SS3-Board	61	14.40. C3-Board (2 of 2) Schematic Diagram	102
14 Schematic and Block Diagram	63	14.41. SC, SU and SD-Board Block Diagram	103
14.1. Schematic Diagram Notes	63	14.42. SC-Board (1 of 3) Schematic Diagram	104
14.2. Main Block Diagram	64	14.43. SC-Board (2 of 3) Schematic Diagram	105
14.3. P-Board Block Diagram	65	14.44. SC-Board (3 of 3) Schematic Diagram	106
14.4. P-Board (1 of 2) Schematic Diagram	66	14.45. SU-Board (1 of 2) Schematic Diagram	107
14.5. P-Board (2 of 2) Schematic Diagram	67	14.46. SU-Board (2 of 2) Schematic Diagram	108
14.6. HU-Board Block Diagram	68	14.47. SD-Board (1 of 2) Schematic Diagram	109
14.7. HU-Board (1 of 2) Schematic Diagram	69	14.48. SD-Board (2 of 2) Schematic Diagram	110
14.8. HU-Board (2 of 2) Schematic Diagram	70	14.49. SS, S1, SS2 and SS3-Board Block Diagram	111
14.9. HX-Board Block and Schematic Diagram	71	14.50. SS-Board (1 of 2) and S1-Board Schematic Diagram	112
14.10. V1 and V2-Board Block and Schematic Diagram	72	14.51. SS-Board (2 of 2), SS2 and SS3-Board Schematic Diagram	113
14.11. DS-Board (1 of 2) Block Diagram	73	15 Parts Location	115
14.12. DS-Board (2 of 2) Block Diagram	74	15.1. Exploded View	115
14.13. DS-Board (1 of 5) Schematic Diagram	75	15.2. Fan part location enlarged views	116
14.14. DS-Board (2 of 5) and H3-Board Schematic Diagram	76	15.3. Cable relation	117
14.15. DS-Board (3 of 5) Schematic Diagram	77	15.4. Packing summary	118
14.16. DS-Board (4 of 5) Schematic Diagram	78	16 Mechanical Replacement Parts List	120
14.17. DS-Board (5 of 5) Schematic Diagram	79	17 Replacement Parts List	121
14.18. DN-Board (1 of 2) Block Diagram	80	17.1. Replacement Parts List Notes	121
14.19. DN-Board (2 of 2) Block Diagram	81	17.2. Electrical Replacement Parts List	122
14.20. DN-Board (1 of 6) Schematic Diagram	82		

1 Applicable signals

VIDEO input

	Signal name	Horizontal frequency(kHz)	Vertical frequency(Hz)
1	NTSC	15.73	59.94
2	PAL	15.63	50.00
3	PAL60	15.73	59.94
4	SECAM	15.63	50.00
5	Modified NTSC	15.73	59.94

Applicable input signals for Component / Mini D-sub 15P (Component) / RGB / Mini D-sub 15P (RGB) (* Mark)

	Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)	Component / Mini D-sub 15P (Component)	RGB / Mini D-sub 15P (RGB)
1	525 (480) / 60i	15.73	59.94	*	*
2	525 (480) / 60p	31.47	59.94	*	*1
3	625 (575) / 50i	15.63	50.00	*	*
4	625 (575) / 50p	31.25	50.00	*	*
5	750 (720) / 60p	45.00	60.00	*	*
6	750 (720) / 50p	37.50	50.00	*	*
7	1,125 (1,080) / 60i	33.75	60.00	*	*
8	1,125 (1,080) / 50i	28.13	50.00	*	*
9	1,125 (1,080) / 24p	27.00	47.92	*	*
10	1,125 (1,080) / 24sF	33.75	30.00	*	*
11	1,125 (1,080) / 25p	28.13	25.00	*	*
12	1,125 (1,080) / 30p	27.00	24.00	*	*
13	1,250 (1,080) / 50i	31.25	50.00	*	*
14	640 × 400 @70 Hz	31.46	70.07		*
15	640 × 480 @60 Hz	31.47	59.94		*2
16	640 × 480 @72 Hz	37.86	72.81		*
17	640 × 480 @75 Hz	37.50	75.00		*
18	640 × 480 @85 Hz	43.27	85.01		*
19	852 × 480 @60 Hz	31.47	59.94		*2
20	800 × 600 @56 Hz	35.16	56.25		*
21	800 × 600 @60 Hz	37.88	60.32		*
22	800 × 600 @72 Hz	48.08	72.19		*
23	800 × 600 @75 Hz	46.88	75.00		*
24	800 × 600 @85 Hz	53.67	85.06		*
25	1,024 × 768 @60 Hz	48.36	60.00		*
26	1,024 × 768 @70 Hz	56.48	70.07		*
27	1,024 × 768 @75 Hz	60.02	75.03		*
28	1,024 × 768 @85 Hz	68.68	85.00		*
29	1,152 × 864 @75 Hz	67.50	75.00		*
30	1,280 × 960 @60 Hz	60.00	60.00		*
31	1,280 × 960 @85 Hz	85.94	85.00		*
32	1,280 × 1,024 @60 Hz	63.98	60.02		*
33	1,280 × 1,024 @75 Hz	79.98	75.03		*
34	1,280 × 1,024 @85 Hz	91.15	85.02		*
35	1,600 × 1,200 @60 Hz	75.00	60.00		*
36	1,600 × 1,200 @65 Hz	81.25	65.00		*
37	1,066 × 600 @60 Hz	37.88	60.32		*
38	1,366 × 768 @60 Hz	48.36	60.00		*
39	Macintosh13" (640 × 480)	35.00	66.67		*
40	Macintosh16" (832 × 624)	49.72	74.54		*
41	Macintosh21" (1,152 × 870)	68.68	75.06		*

*1: When selected the RGB format and 525p signal input to the Mini D-sub 15P terminal, it is recognized as VGA 60Hz signal.

*2: When inputted VGA 60Hz format signal from the other than Mini D-sub 15P terminal, it is recognized as 525p signal.

Note: Signals without above specification may not be displayed properly.

2 Safety Precautions

2.1. General Guidelines

1. When conducting repairs and servicing, do not attempt to modify the equipment, its parts or its materials.
2. When wiring units (with cables, flexible cables or lead wires) are supplied as repair parts and only one wire or some of the wires have been broken or disconnected, do not attempt to repair or re-wire the units. Replace the entire wiring unit instead.
3. When conducting repairs and servicing, do not twist the Faston connectors but plug them straight in or unplug them straight out.
4. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
5. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
6. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

2.2. Touch-Current Check

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a measuring network for touch currents between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in .
3. Use Leakage Current Tester (Simpson 228 or equivalent) to measure the potential across the measuring network.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reserve the AC plug in the AC outlet and repeat each of the above measure.
6. The potential at any point (TOUGH CURRENT) expressed as voltage U_1 and U_2 , does not exceed the following values:
For a. c.: $U_1 = 35 \text{ V}$ (peak) and $U_2 = 0.35 \text{ V}$ (peak);
For d. c.: $U_1 = 1.0 \text{ V}$,

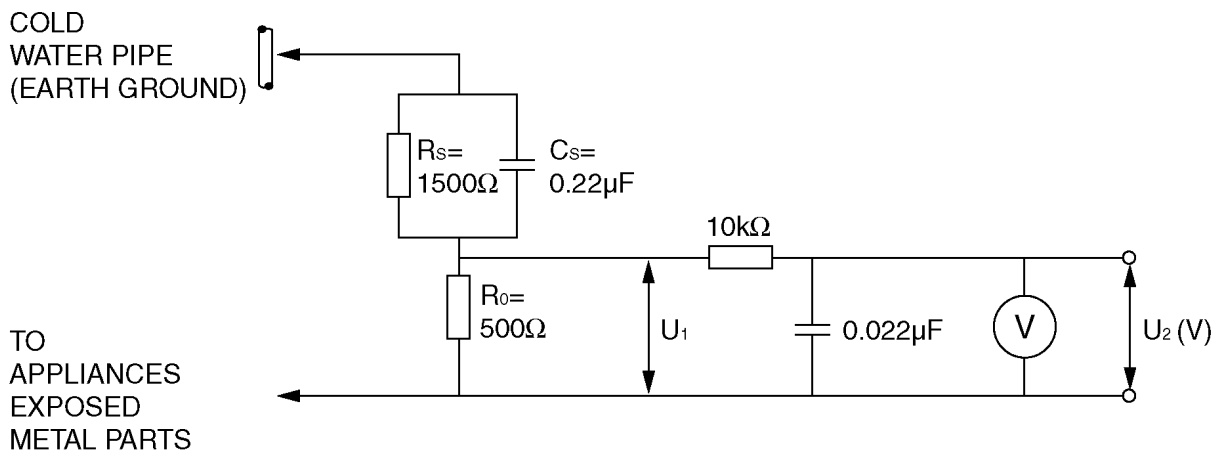
Note:

The limit value of $U_2 = 0.35 \text{ V}$ (peak) for a. c. and $U_1 = 1.0 \text{ V}$ for d. c. correspond to the values 0.7 mA (peak) a. c. and 2.0 mA d. c.

The limit value $U_1 = 35 \text{ V}$ (peak) for a. c. correspond to the value 70 mA (peak) a. c. for frequencies greater than 100 kHz .

7. In case a measurement is out of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

Measuring network for TOUCH CURRENTS



Resistance values in ohms (Ω)

V: Voltmeter or oscilloscope
(r.m.s. or peak reading)

Input resistance: $\geq 1 \text{ M}\Omega$

Input capacitance: $\leq 200 \text{ pF}$

Frequency range: 15 Hz to 1 MHz and d.c. respectively

NOTE - Appropriate measures should be taken to obtain the correct value in case of non-sinusoidal waveforms.

Figure 1

3 Prevention of Electro static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).


1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electro static charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder Remove device. Some solder Remove devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise ham less motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

4 About lead free solder (PbF)


Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).

That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

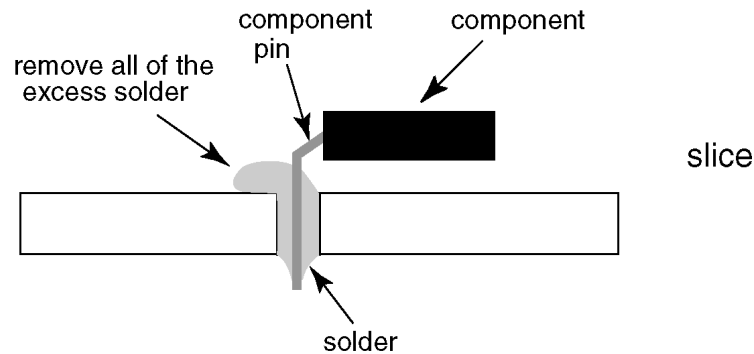
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol  stamped on the back of PCB.

Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).

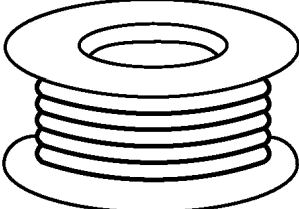
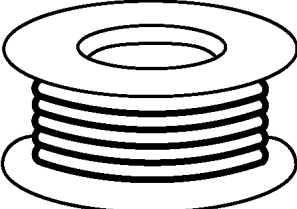
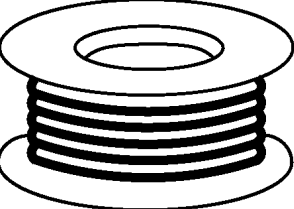
If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.

- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



Suggested Pb free solder

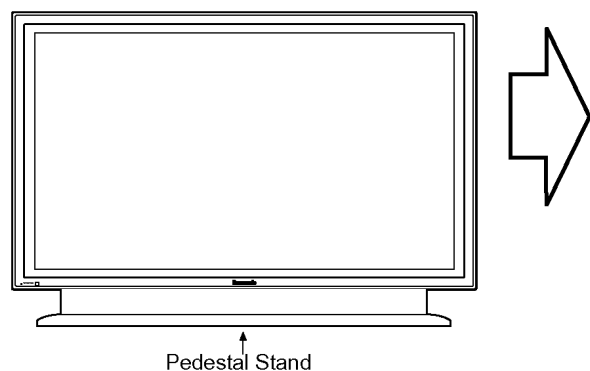
There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

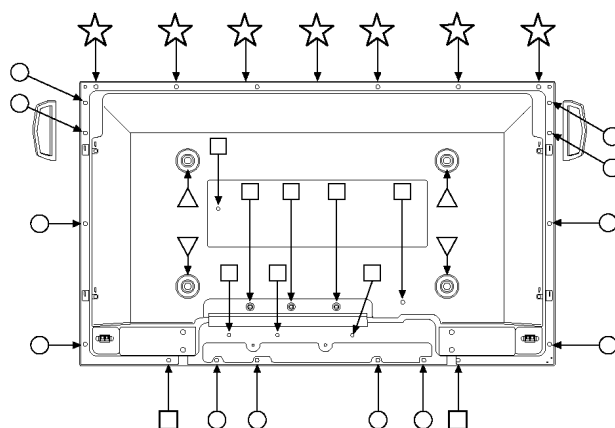
5 Service Hint

[How to set the plasma unit for servicing]

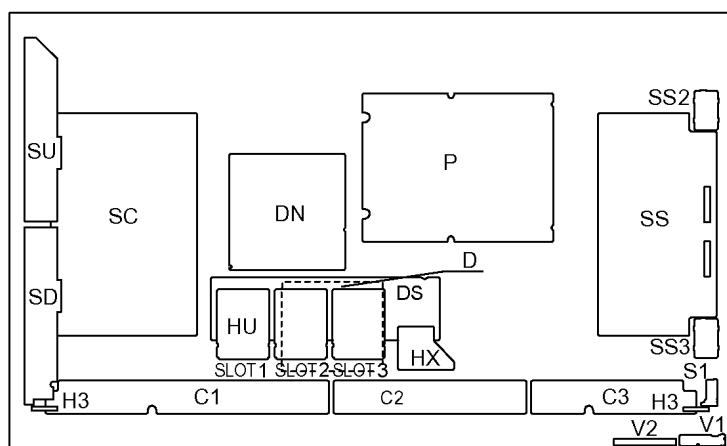
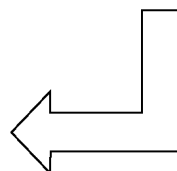
Place the plasma unit on the pedestal stand.
(Optional Accessory)



Remove the Back Cover.



Remove : 7 screws (☆) XYN4+F10FJK
4 screws (△) XYN8+F20FJK
10 screws (□) THEL0239
12 screws (○) XYN4+FJ30FJK



Board Name	Function
DN	Digital Signal Processor, Microcomputer
D	Format Converter, Plasma Ai Processor Sub-Filed Processor
DS	Slot Interface (Audio / Video / Sync input Switch), SYNC processor, Sound processor
SS	Sustain drive
SC	Scan drive
SU	Scan out (Upper)
SD	Scan out (Lower)
C1	Data Drive (Lower Right)
C2	Data Drive (Lower Center)
C3	Data Drive (Lower Left)
H3	Speaker terminal
S1	Power switch
SS2	Sustain out (Upper)
SS3	Sustain out (Lower)
V1	Remote receiver, LED-G, R
V2	Key switch
P	Power supply
HX	PC / RS-232C Input terminal
HU	Dual Video terminal (BNC / S)

Note:

Extension cable kit for Slot Board is supplied as service fixtures and tools.

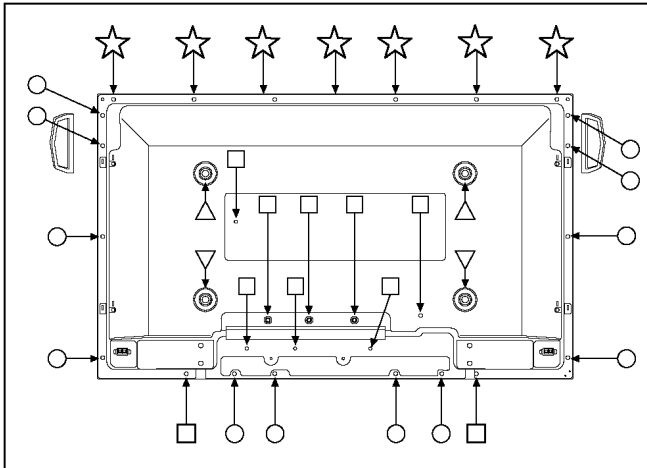
(Part No. TZSC07040)

6 Disassembly

- To disassemble P.C.B., wait for 1 minute after power was off for discharge from electrolysis capacitors.
- ⬆ and ⬆ marks indicate screw positions.

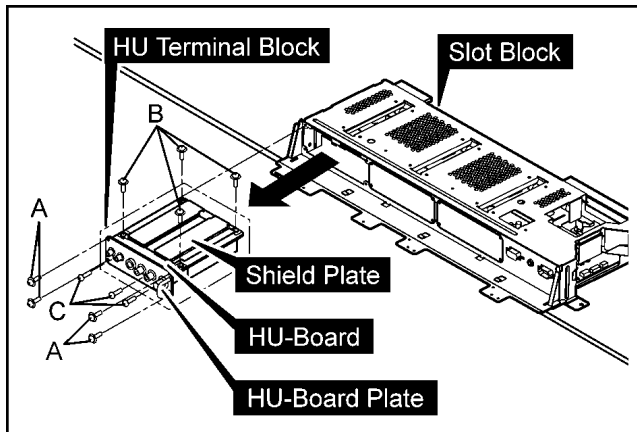
6.1. Removal of the Back Cover

1. Remove screws (×7 ☆, ×4 △, ×10 □, ×12 ○) and then remove the Back Cover.



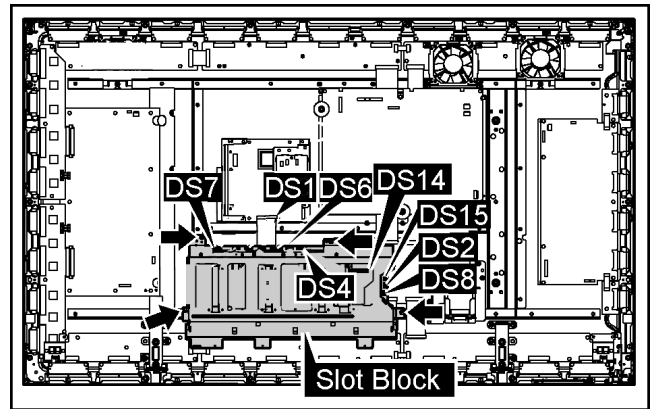
6.2. Removal the of HU-Board

1. Remove 4 screws (A) and then remove the HU Terminal Block.
2. Remove 4 screws (B).
3. Remove 3 screws (C) and then remove HU-Board.



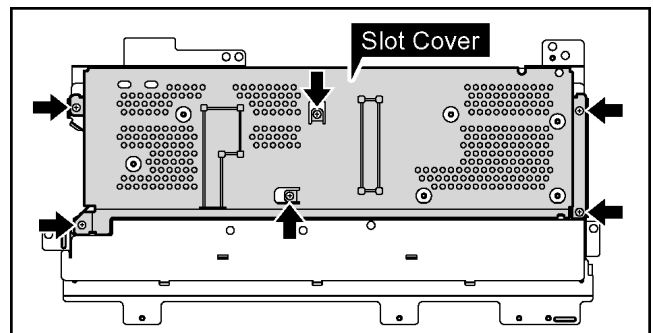
6.3. Removal of the Slot Block

1. Remove the HU Terminal Block.
(Reference to Removal of the HU-Board)
2. Remove the flexible cable from the connector (DS1).
3. Disconnect the connectors (DS2, DS4, DS6, DS7, DS8, DS15).
4. Remove 4 screws and then remove the Slot-Block.

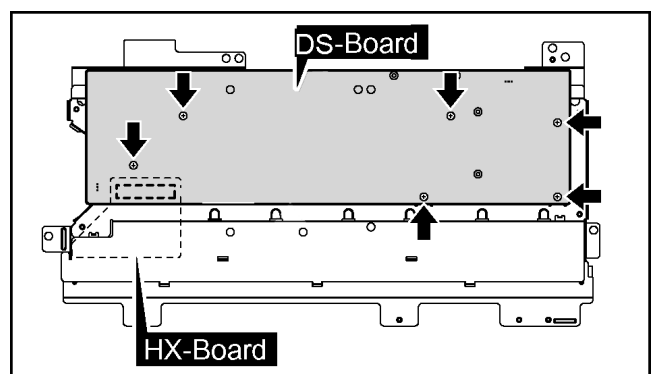


6.4. Removal of the DS-Board

1. Remove the HU Terminal Block.
(Reference to Removal of the HU- Board)
2. Remove the Slot Block.
(Reference to Removal of the Slot Block)
3. The Slot Block is turned inside out.
4. Remove 6 screws and then remove the Slot cover.

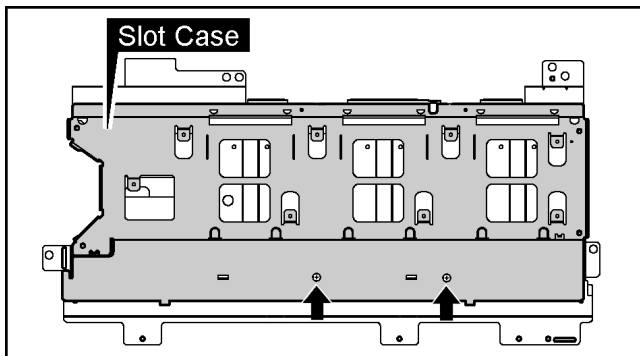


5. Remove 6 screws.
6. Remove the DS-Board.

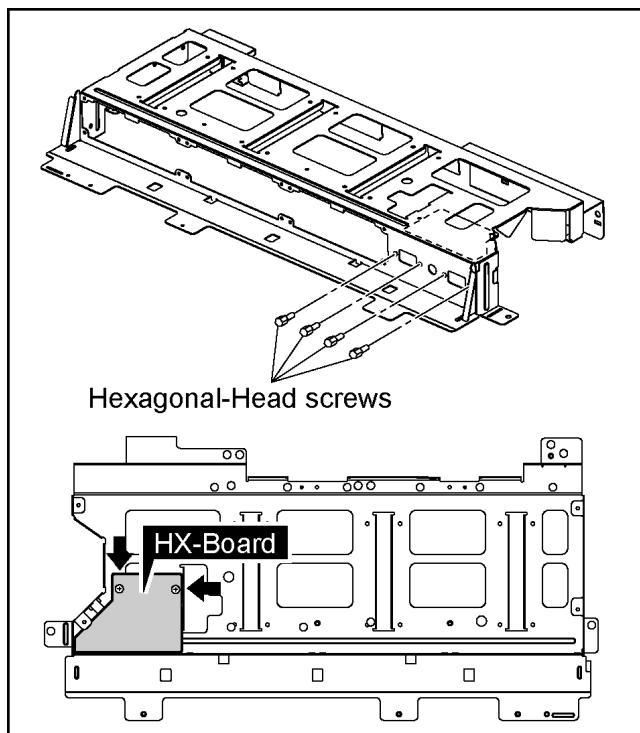


6.5. Removal of the HX-Board

1. Remove the HU Terminal Block.
(Reference to Removal of the HU-Board)
2. Remove the Slot Block.
(Reference to Removal of the Slot Block)
3. Remove the DS-Board.
(Reference to Removal of the DS-Board)
4. Remove 2 screws and then remove the Slot Case.

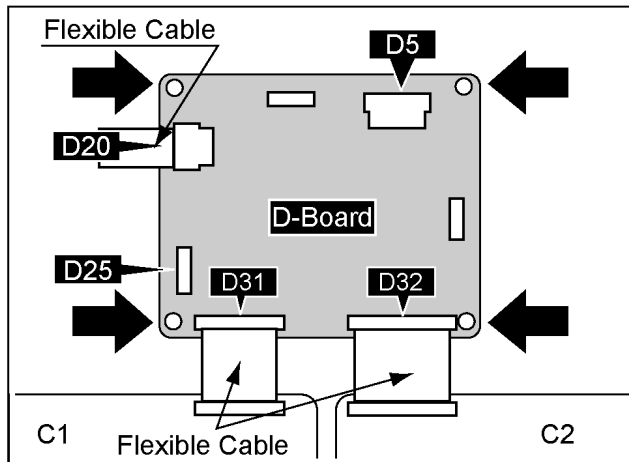


5. Remove 4 Hexagonal-Head screws and 2 screws and then remove the HX-Board.



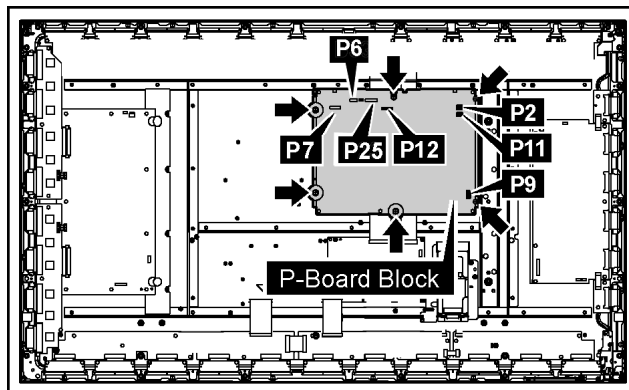
6.6. Removal of the D-Board

1. Remove the Slot Block.
(Reference to Removal of the Slot Block)
2. Disconnect the connectors (D5, D25).
3. Remove the Flexible Cable from the connectors (D20, D31, D32).
4. Remove 4 screws and then remove the D-Board.



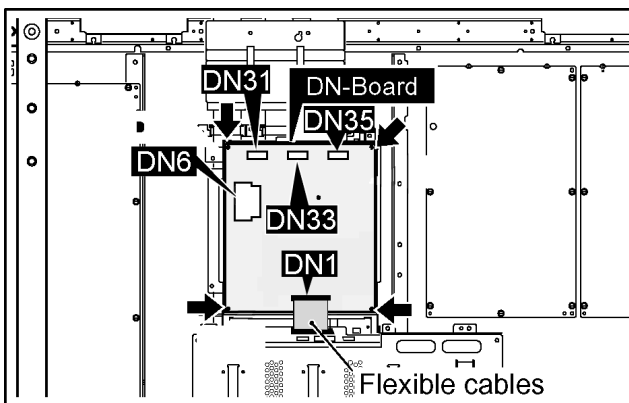
6.7. Removal of the P-Board

1. Disconnect the connectors (P2, P6, P7, P9, P11, P12, P25).
2. Remove 6 screws (⬆) and then remove the P-Board Block.



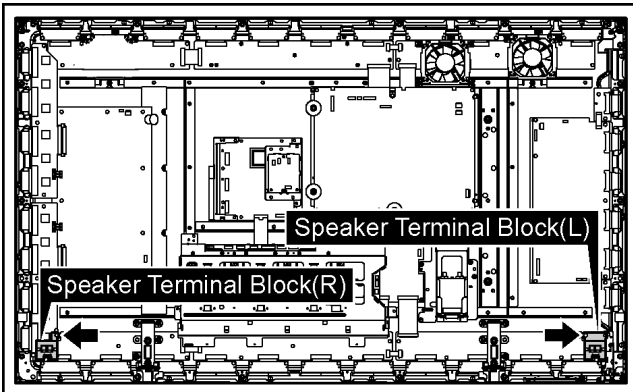
6.8. Removal of the DN-Board

1. Remove the flexible cable from the connectors (DN1).
2. Disconnect the connectors (D6, D31, D33, D35).
3. Remove 4 screws and then remove the DN-Board.

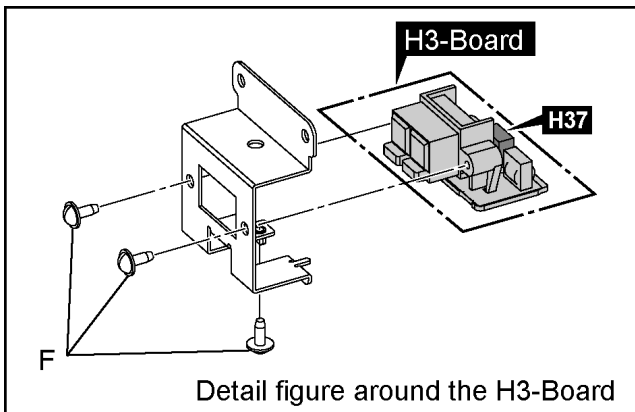


6.9. Removal of the H3-Board (L, R)

1. Remove each 1 screw and then remove the Speaker Terminal Block (L, R).

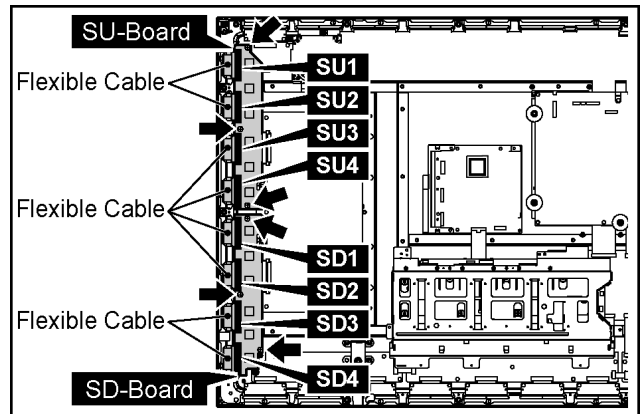


2. Disconnect the connector (H37).
3. Remove 3 screws (F) and then remove the H3-Board.

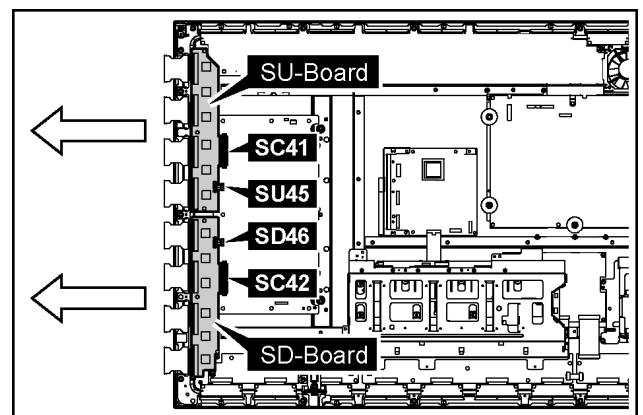


6.10. Removal of the SU-Board and the SD-Board

1. Remove the Speaker Terminal Block(R).
(Reference to Removal of the H3-Board (L, R))
2. Remove the Flexible cables (SU1, SU2, SU3, SU4,) connected to the SU-Board and remove the connector (SC45-SU45).
3. Remove 6 screws.
4. Slide the SU-Board to the left to disconnect from a connector (SC41-SU41) on the SC-Board and remove the SU-Board.

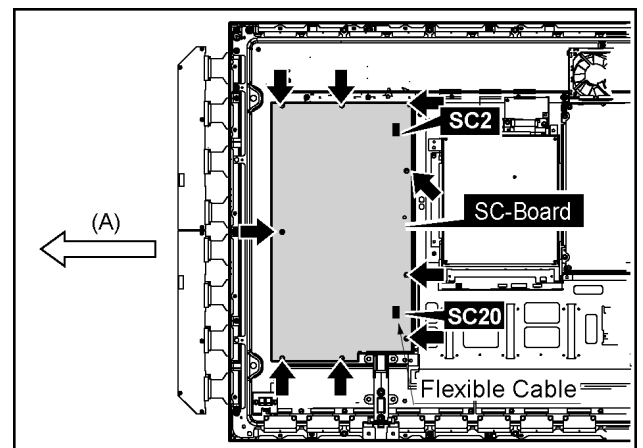


5. Disconnect the connectors(SU45, SD46).
6. Slide the SU-Board and the SD-Board to the left, remove the SU-Board and the SD-Board from the connectors (SC41, SC42).



6.11. Removal of the SC-Board

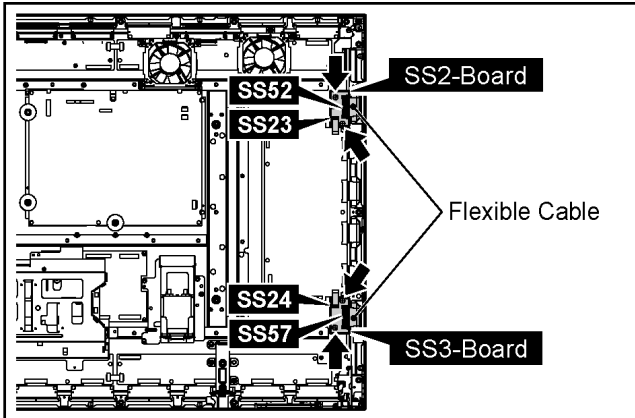
1. Remove the SU-Board and SD-Board (Reference to removal SU-Board and SD-Board).
2. Disconnect the connector (SC2).
3. Disconnect the flexible cable (SC20).
4. Remove 9 screws (A) and then slide the SC-Board to the right.



6.12. Removal of the SS2-Board and the SS3-Board

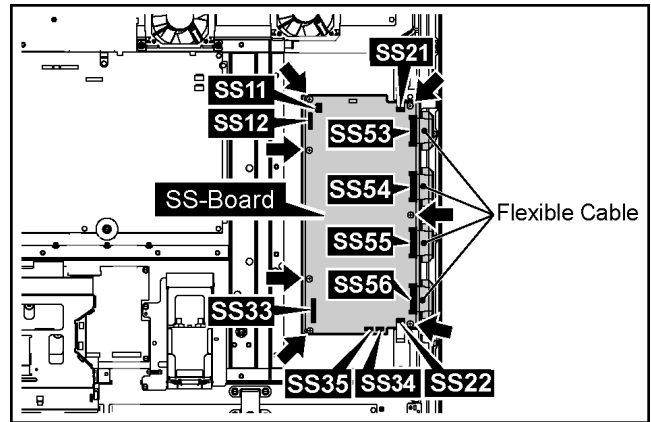
1. Disconnect the connector (SS23).
2. Disconnect the Flexible Cable (SS52).

3. Disconnect the connector (SS24).
4. Disconnect the Flexible Cable (SS57).
5. Remove each 2 screws and then remove the SS2-Board and the SS3-Board.



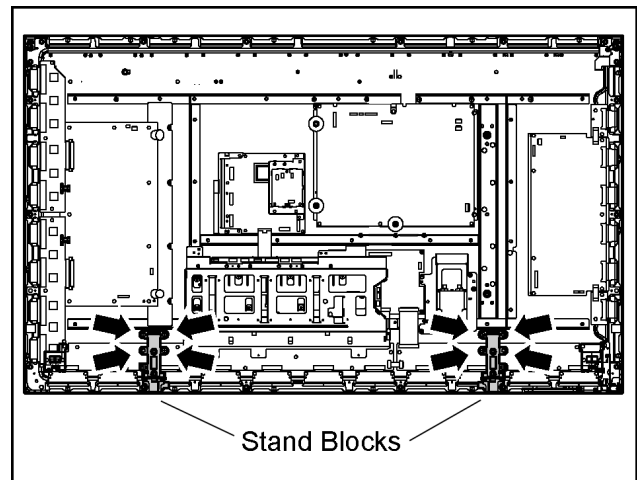
6.13. Removal of the SS-Board

1. Disconnect the connectors (SS11, SS12, SS21, SS22, SS33, SS34, SS35).
2. Remove the Flexible Cable from the connectors (SS53, SS54, SS55, SS56).
3. Remove 7 screws and then remove the SS-Board.



6.14. Removal of the stand blocks

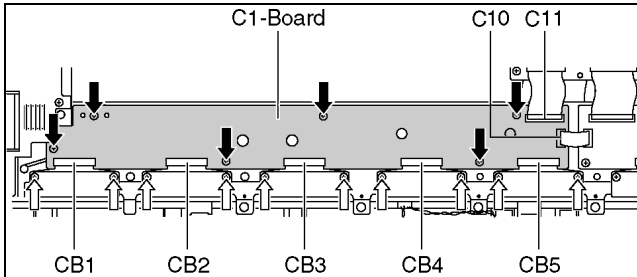
1. Remove the plasma panel section from the servicing stand and lay on a flat surface such as a table (covered) with the plasma panel surface facing downward.
2. Remove the stand blocks (left, right) fastening screws (x 4 each) and remove the stand blocks (left, right).



6.15. Removal of the C1, C2, and the C3-Board

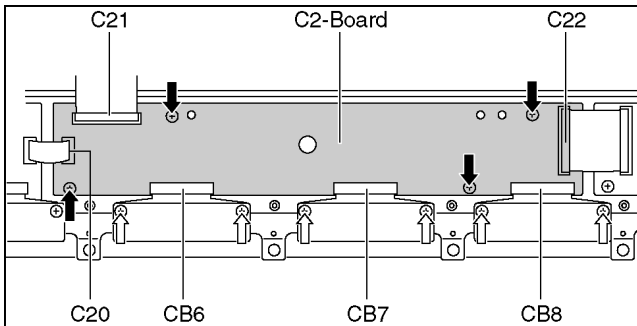
6.15.1. Removal of the C1-Board

1. Remove the Flexible Cable from the connectors (C10, C11).
2. Remove 10 screws (⇩) and then remove the Flexible Cable from the connectors (CB1, CB2, CB3, CB4, CB5).
3. Remove 6 screws (⇩) and then remove the C1-Board.



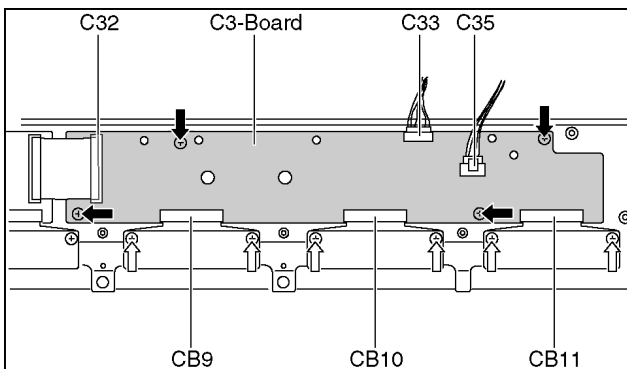
6.15.2. Removal of the C2-Board

1. Remove the Flexible Cable from the connectors (C20, C21, C22).
2. Remove 6 screws (⇩) and then remove the Flexible Cable from the connectors (CB6, CB7, CB8).
3. Remove 4 screws (⇩) and then remove the C2-Board.



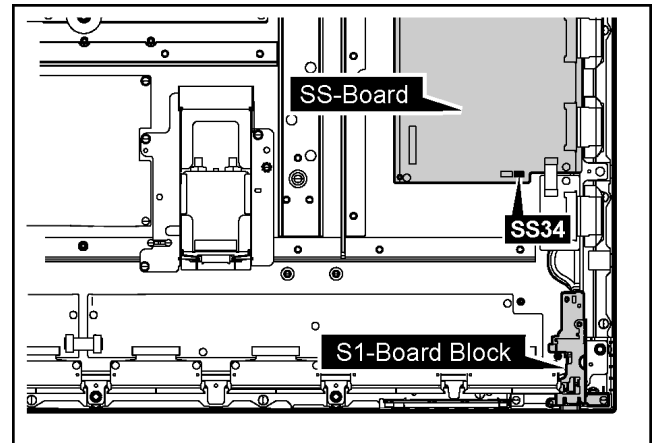
6.15.3. Removal of the C3-Board

1. Remove the Flexible Cable from the connector (C32).
2. Remove the connectors (C33 and C35).
3. Remove 6 screws and (⇩) then remove the Flexible Cable from the connectors (CB9, CB10, CB11).
4. Remove 4 screws and (⇩) then remove the C3-Board.

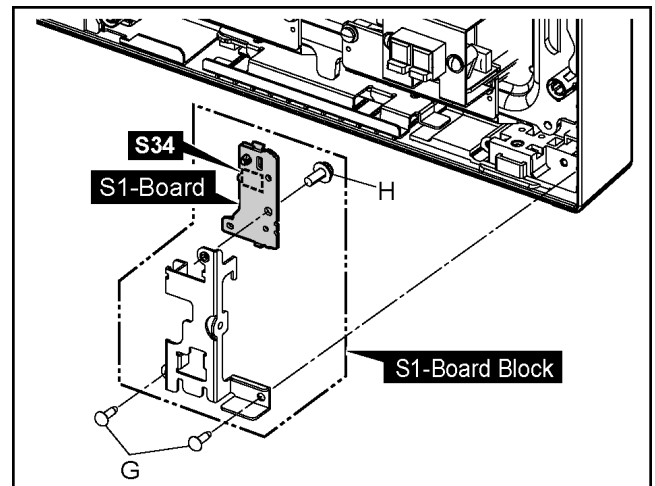


6.16. Removal of the S1-Board

1. Disconnect the connector (SS34).

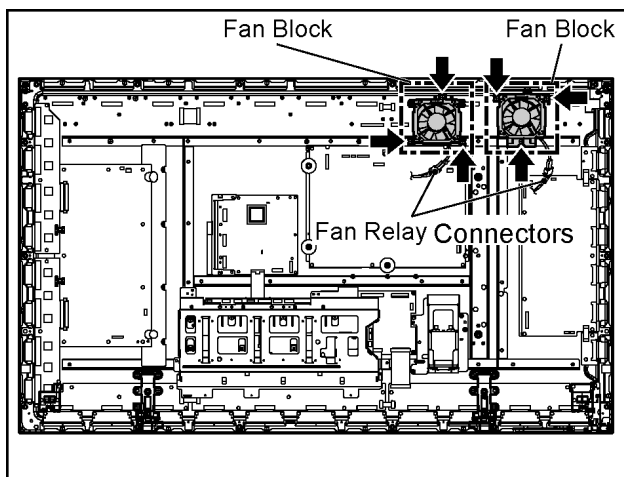


2. Remove 2 screws (G) and then remove the S1-Board Block.
3. Disconnect the connector (S34).
4. Remove 1 screw (H) and then remove the S1-Board.

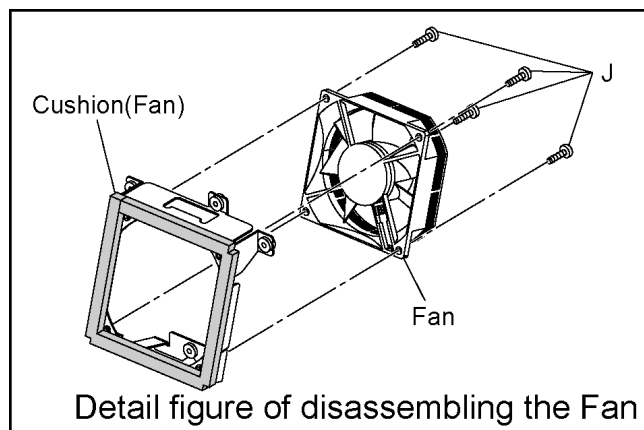


6.17. Removal of the Fan

1. Disconnect the Fan Relay Couplers.
2. Remove each 3 screws and then remove 2 Fan Blocks.



3. Remove each 4 screws (J) and then remove the Fans.



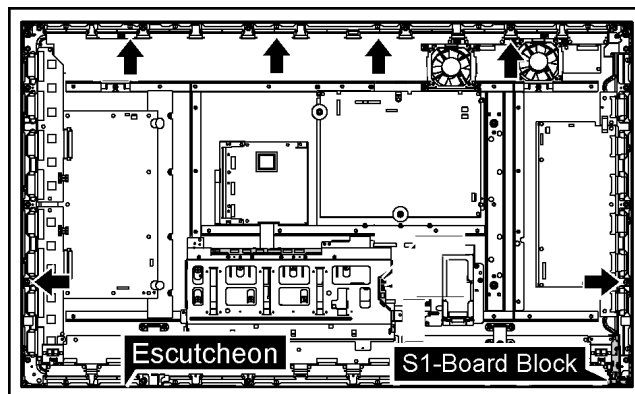
4. Reassemble the Fans in reverse order.
5. Stick the Cushion (Fan) around the Fan.

Note:

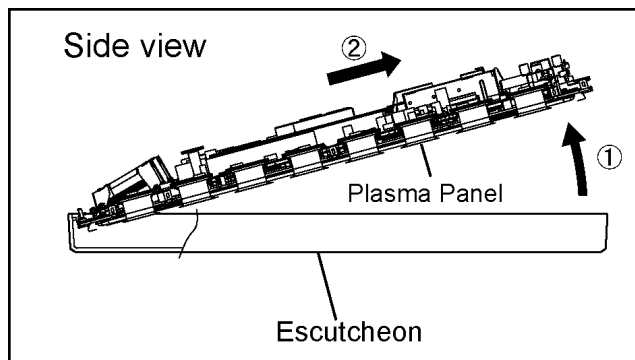
The Cushion (Fan) are unsuitable to reuse.
Please use a new one at the time of Fan exchange.

6.18. Removal of the Escutcheon

1. Remove the S1-Board Block.
(Refer to Removal of the S1-Board)
2. Remove 6 screws of the Escutcheon.

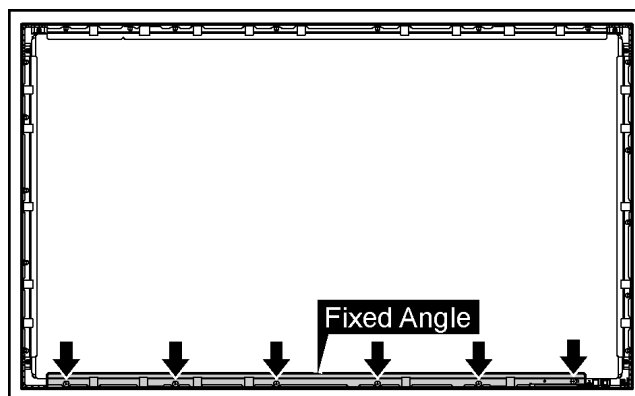


3. Pull the bottom of the Plasma Panel forward (arrow1).
4. Slide the Plasma Panel and then remove the Plasma Panel (arrow2).

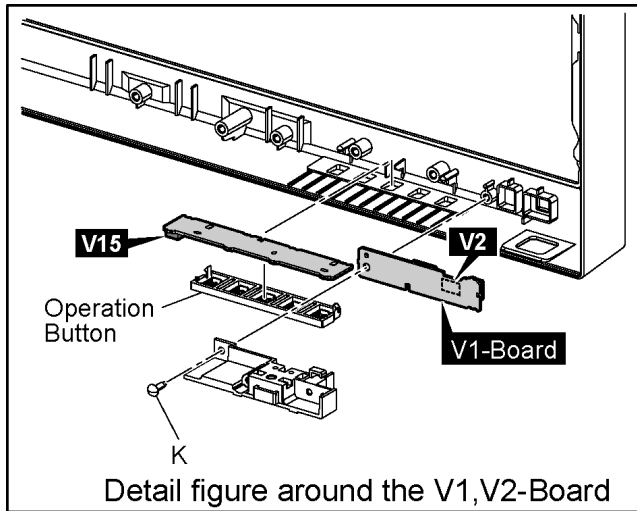


6.19. Removal of the V1-Board and the V2-Board

1. Remove the Escutcheon.
(Reference to Removal of the Escutcheon)
2. Remove 6 screws and then remove the Fixed Angle.

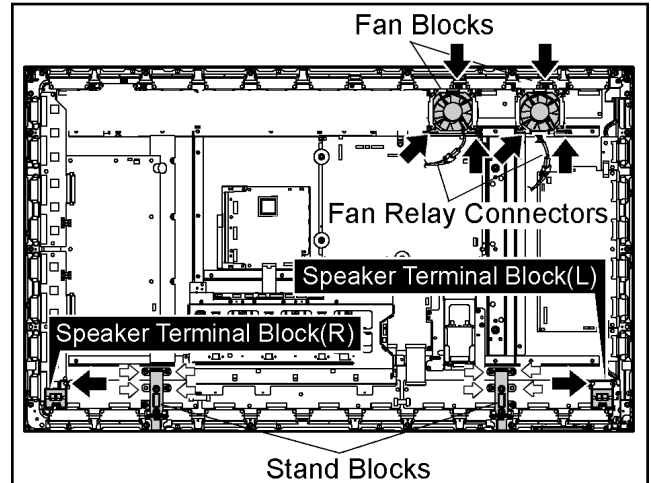


3. Remove the 1 screw(K).
4. Disconnect the coupler(V2) and then remove the V1-Board.
5. Remove the operation button from the V2-Board.
6. Disconnect the coupler(V15) and then remove the V2-Board.

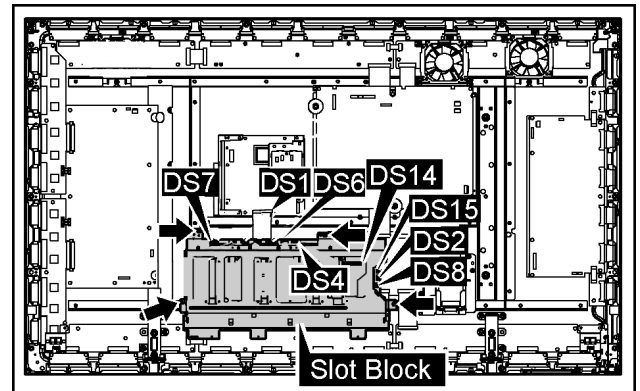


6.20. Removal of the Plasma Panel

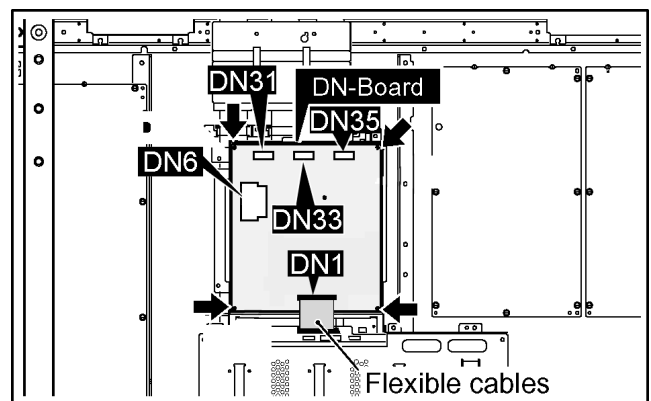
1. Disconnect the Fan Relay connectors.
2. Remove each 3 screws (⬆) and then remove the 2 Fan Blocks.
3. Remove each 4 screws (⬆) and then remove the Stand Block(L, R).
4. Remove each 1 screws (⬆) and then remove the Speaker Terminal Block(L, R).



5. Disconnect the connectors (DS1, DS2, DS4, DS6, DS7, DS8, DS14, DS15).
6. Remove 4 screws and then remove the Slot Block.



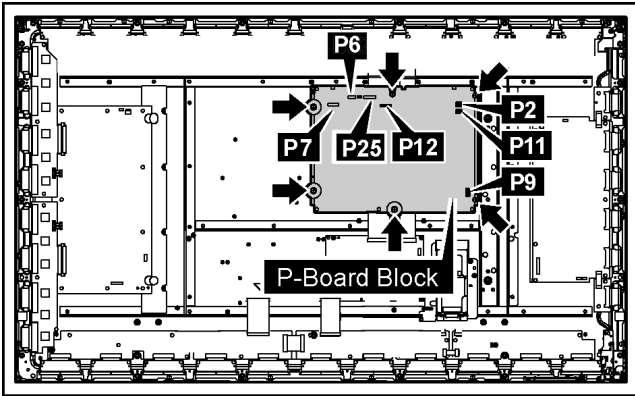
7. Disconnect the connectors (DN6, DN31, DN33, DN35).
8. Remove the Flexible Cable from the connector (DN1).
9. Remove 4 screws and then remove the DN-Board Block.



10. Disconnect the connectors (P2, P6, P7, P9, P11, P12,

P25).

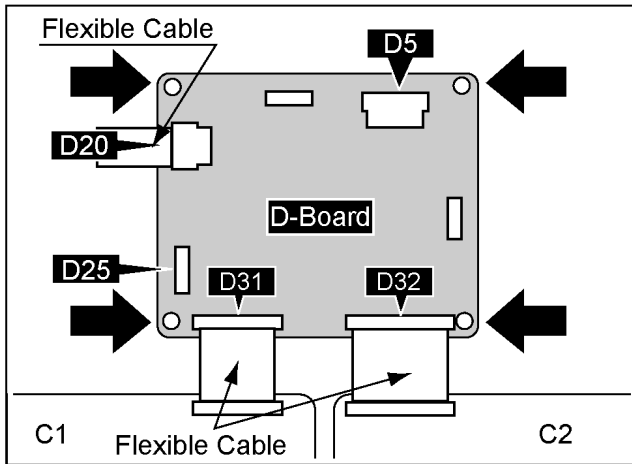
11. Remove 6 screws (▲) and then remove the P-Board.



12. Disconnect the connectors (D5, D25).

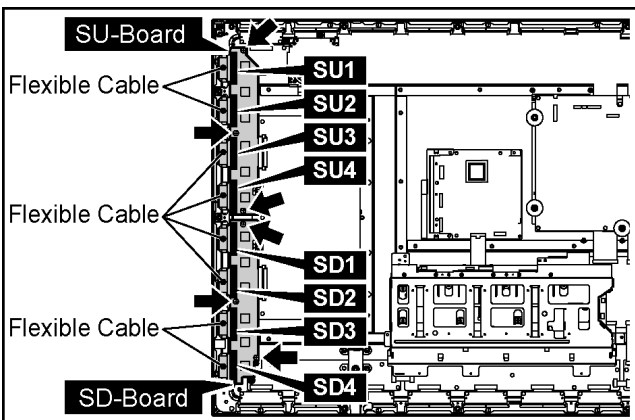
13. Remove the Flexible Cable from the connectors (D20, D31, D32).

14. Remove 4 screws and then remove the D-Board.



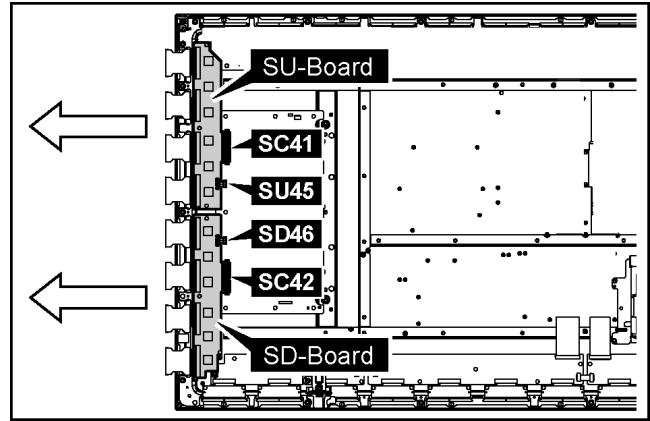
15. Remove the Flexible Cable from the connectors (SU1, SU2, SU3, SU4, SD1, SD2, SD3, SD4).

16. Remove 6 screws.



17. Disconnect the connectors (SU45, SD46).

18. Slide the SU-Board and the SD-Board to the left, remove the SU-Board and the SD-Board from the connectors (SC41, SC42).

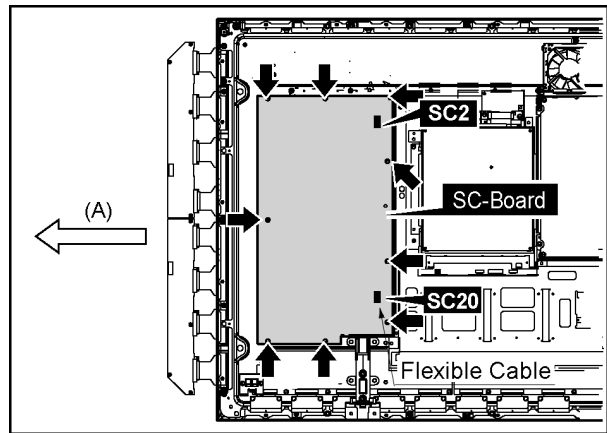


19. Remove the SU-Board and SC-Board.

20. Disconnect the connector (SC2).

21. Disconnect the flexible cable (SC20).

22. Remove 9 screws and (▲) then remove the SC-Board.



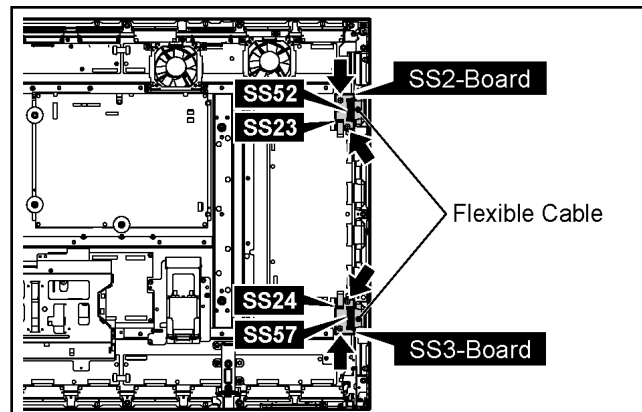
23. Disconnect the connector (SS23).

24. Remove the Flexible Cable from the connector (SS52).

25. Disconnect the connector (SS24).

26. Remove the Flexible Cable from the connector (SS57).

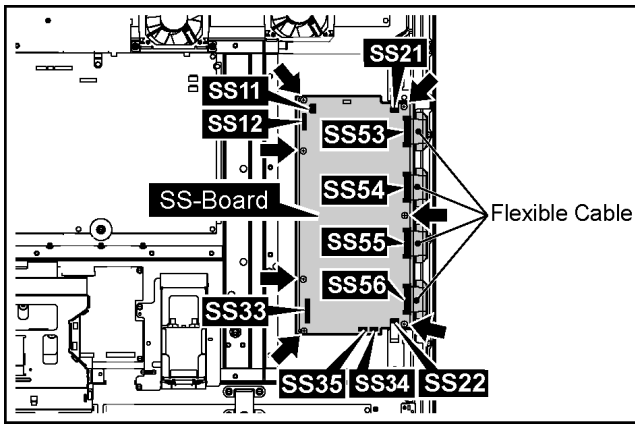
27. Remove each 2 screws and then remove the SS2-Board and the SS-3Board.



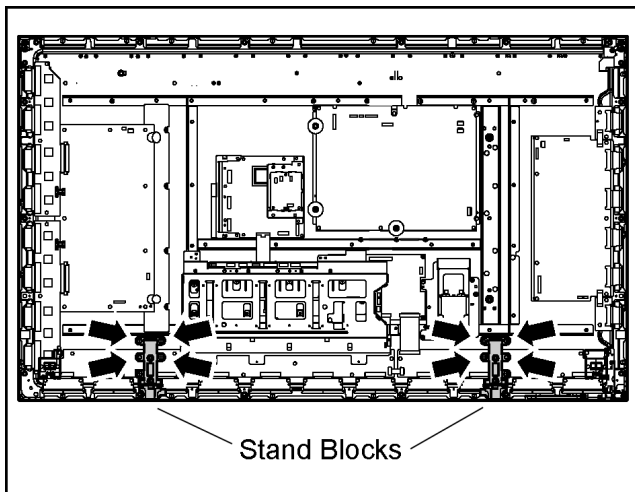
28. Disconnect the connectors (SS11, SS12, SS21, SS22, SS33, SS34, SS35).

29. Remove the Flexible Cable from the connectors (SS53, SS54, SS55, SS56).

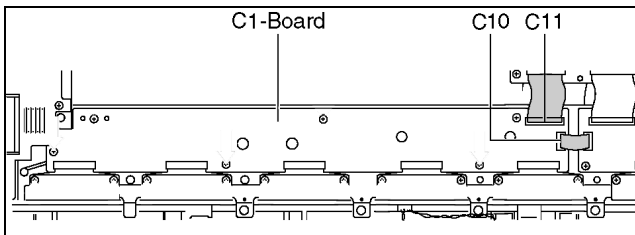
30. Remove 7 screws and then remove the SS-Board.



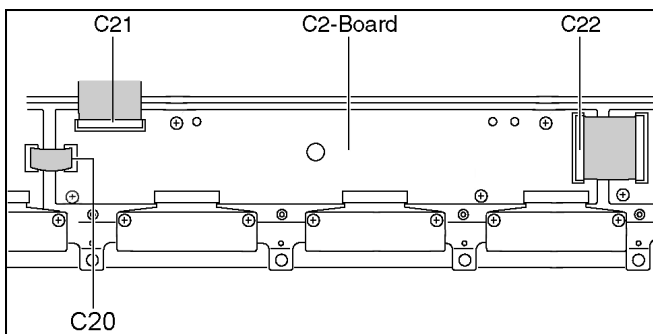
31. Remove the plasma panel section from the servicing stand and lay on a flat surface such as a table with the plasma panel surface facing downward.
32. Remove the stand blocks (left, right) fastening screws (x4 each) and remove the stand blocks (left, right).



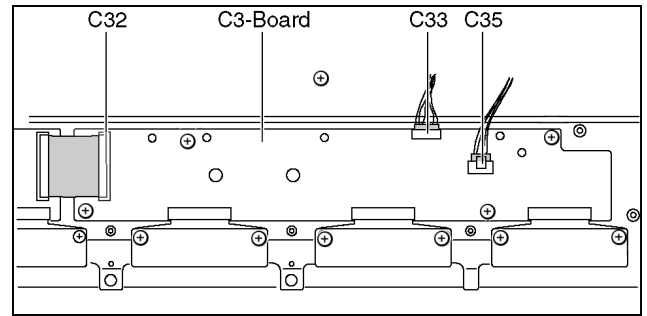
33. Remove the Flexible Cable from the connectors (C10, C11).



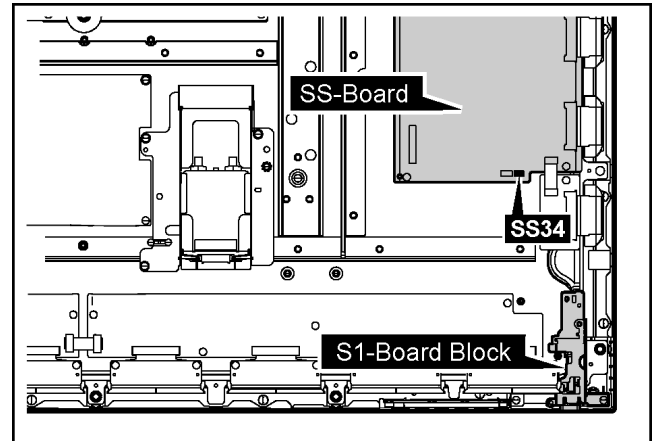
34. Remove the Flexible Cable from the connector (C20).
35. Remove the connectors (C21 and C22).



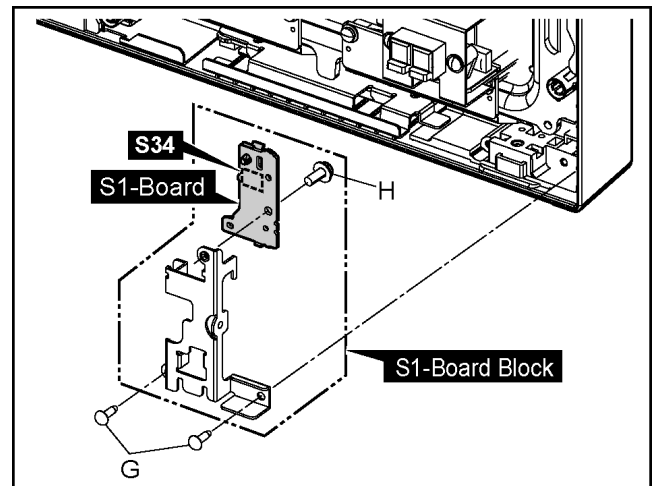
36. Disconnect the connectors (C32, C33, C35).



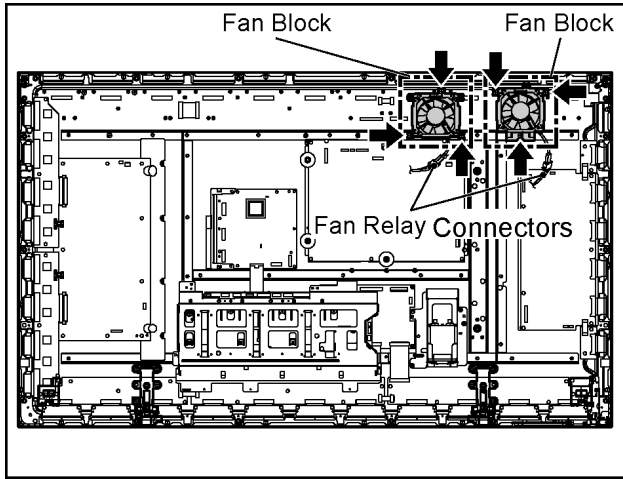
37. Disconnect the connector (SS34).



38. Remove 2 screws (G) and then remove the S1-Board Block.
39. Disconnect the connector (S34).
40. Remove 1 screw (H) and then remove the S1-Board.

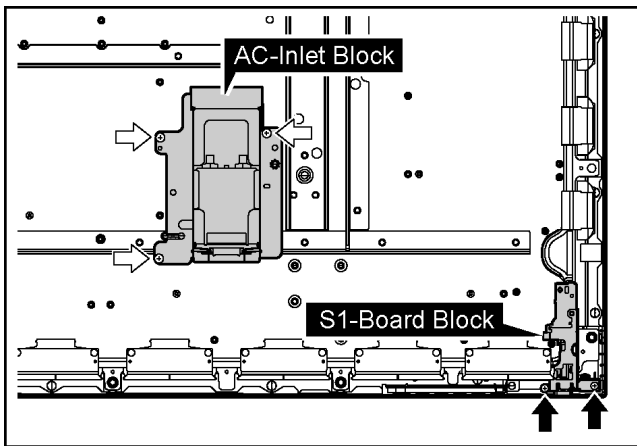
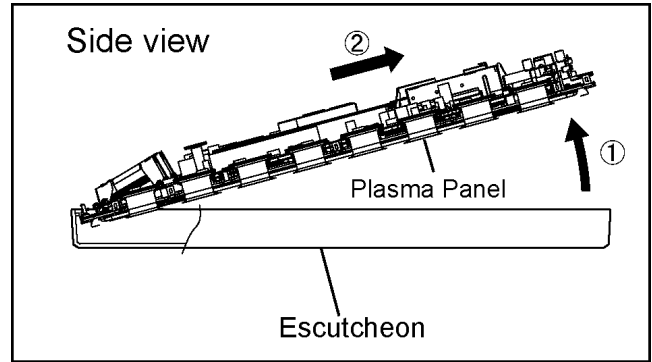


41. Remove the Flexible Cable from the connectors (C20, C21, C22).
42. Disconnect the Fan Relay Couplers.
43. Remove each 3 screws and then remove 2 Fan Blocks.

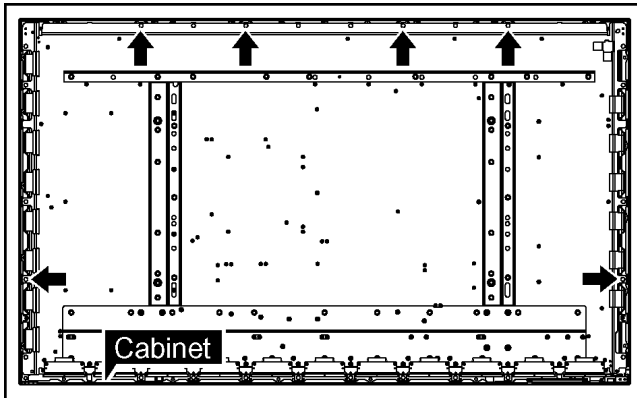


44. Remove 2 screws and then remove the S1-Board Block.

45. Remove 3 screws and then remove the AC-Inlet Block.



46. Remove 6 screws of the Escutcheon.



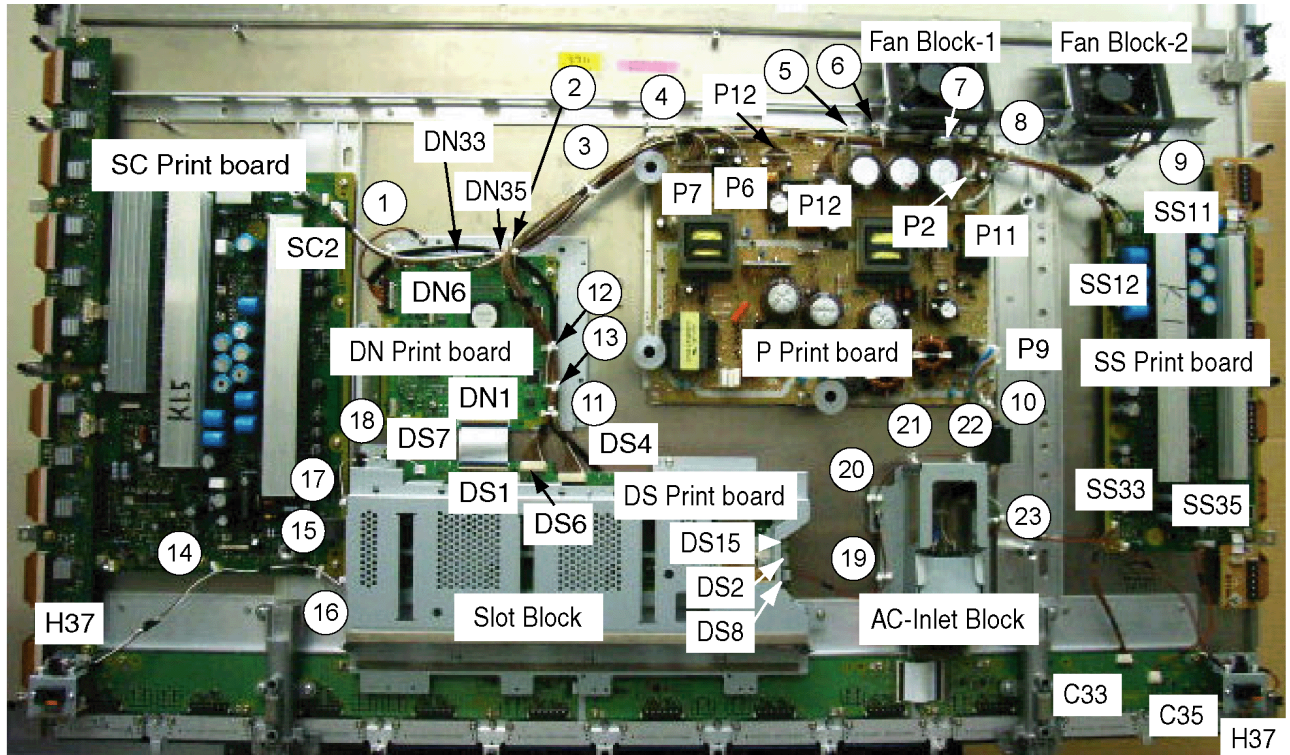
47. Pull the bottom of the Plasma Panel forward (arrow1).

48. Slide the Plasma Panel and then remove the Plasma Panel (arrow2).

7 Location of Lead Wiring

7.1. Lead Wiring (1)

The lead wiring is dressed as shown in figure.

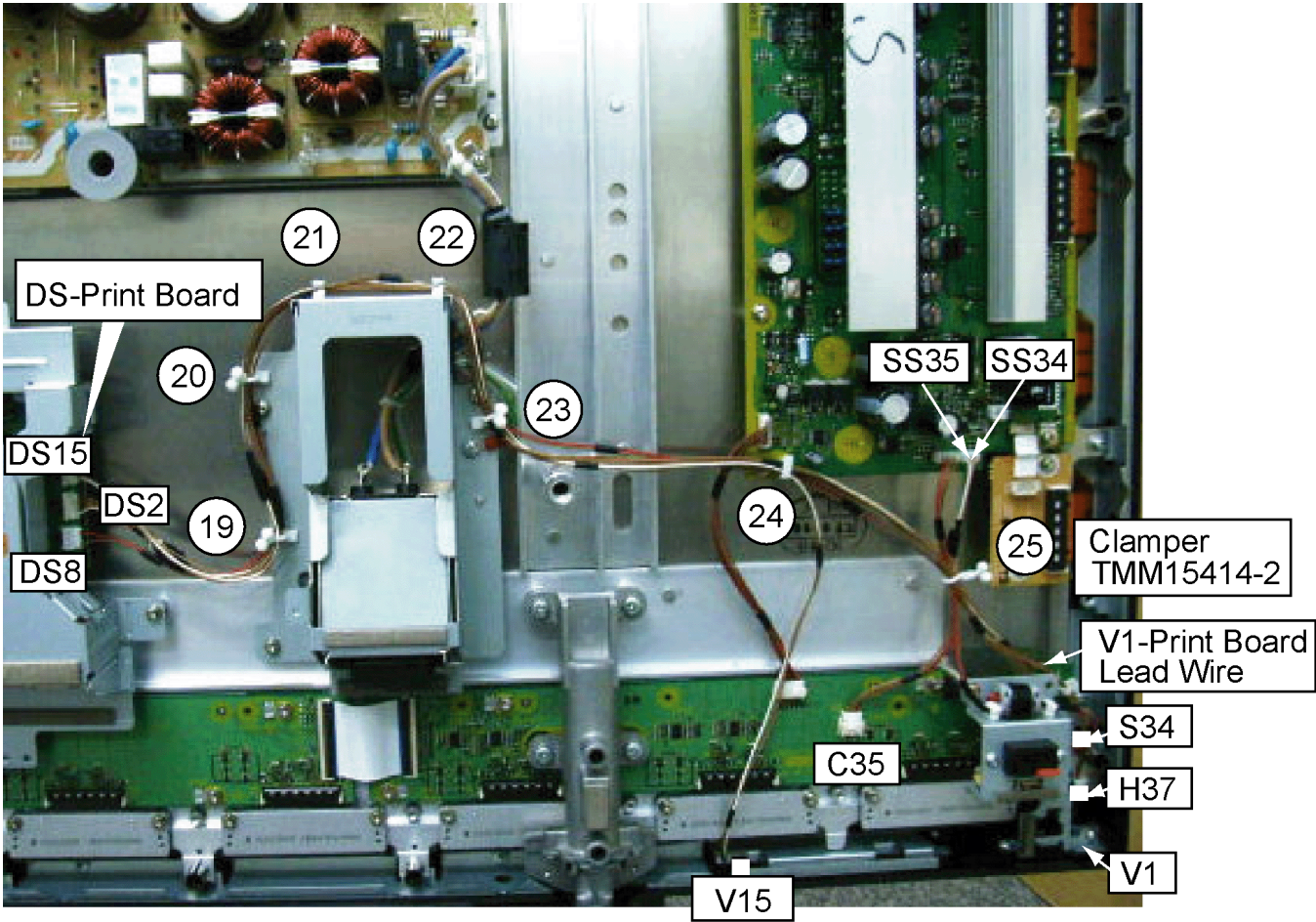


Clamp Position

CON : No. - CON : No.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
D5 - DN6	○	○									○	○	○					
D25 - P25		○	○	○							○	○	○					
SC2 - P2	○	○	○	○	○	○	○				○	○	○					
P11 - SS11								○	○									
P12 - SS12					○	○	○	○	○									
DS4 - P7		○	○	○							○	○	○					
DS6 - P6		○	○	○							○	○	○					
AC-Inlet Block - P9										○								
H37 - DS7 (SC Print Board side)														○	○	○	○	○
Fan Block-1 - DN33		○	○	○	○	○	○											
Fan Block-2 - DN35		○	○	○	○	○	○	○	○									

7.2. Lead Wiring (2)

The lead wiring is dressed as shown in figure.



Clamp Position

CON : No. - CON : No.	(19)	(20)	(21)	(22)	(23)	(24)	(25)
SS35 - C35							<input type="radio"/>
S34 - SS34 (S1-Print Board)							<input type="radio"/>
V2 - DS2 (V1-Print Board)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
V15 - DS15 (V2-Print Board)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
H37 - DS8 (H3-Print Board)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8 Adjustment Procedure

8.1. Driver Set-up

8.1.1. Item / Preparation

1. Set Aging pattern 0 (Vset adjustment pattern) by IIC mode.
2. Set the picture adjustment items as follows.
 - Picture menu : Standard
 - Color temperature : Normal
 - Picture : 25
 - Aspect : Full

8.1.2. Adjustments

Adjust driver section voltages referring the panel data label.

Name	Test Point	Voltage	Volume	Remarks
Vsus	TPVSUS (SS)	$V_{sus} \pm 2V$	VR251 (P)	*
Ve	TPVE (SS)	$V_e \pm 1V$	VR6000 (SS)	*
Vda	TPVDA (SS)	$75V \pm 1V$	Fixed	
Vad	TPVAD (SC)	$-105V \pm 1V$	VR6600 (SC)	
Vscn	TPVSCN (SC)	$V_{ad} + 145V \pm 4V$	Fixed	
Vset	TPVSET (SC)	$330V \pm 7V$	Fixed	
Vbk	TPVBK (SC)	$155V \pm 1V$	VR6604 (SC)	

*See the Panel label.

Panel Label information

Panel Label information form showing fields for Serial No., Ve, Vsus, and adjustment voltage. The form includes a logo, a dashed box for Serial No., and fields for Ve (v) and Vsus (v). An arrow points to the Vsus field with the label 'Adjustment voltage'.

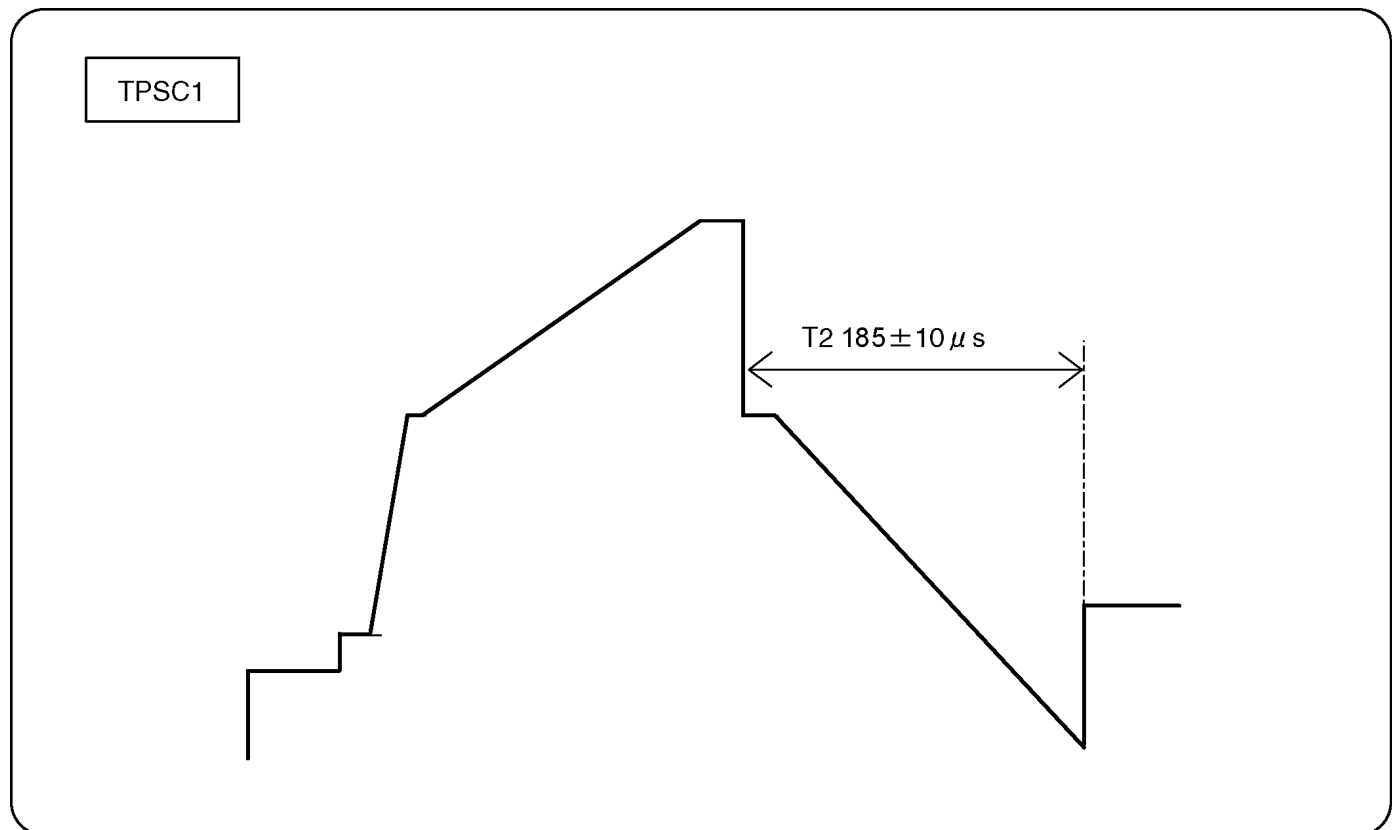
Caution

1. First perform Vsus voltage adjustment.
2. Confirmation of Vscn voltage should be performed after confirmation of Vad voltage adjustment.
When Vad = -105V, Voltage of Vscn is $35V \pm 4V$.

8.2. Initialization Pulse Adjust

1. Input the white signal to plasma video input.
2. Set the picture adjustment items as follows.
 - Picture menu : Standard
 - Color temperature : Normal
 - Picture : 25
 - Aspect : Full
3. Connect Oscilloscope to TPSC1 (T2) and adjust VR6602 for $185 \pm 10 \mu\text{Sec}$.

	Test Point	Volume	Level
T2	TPSC1 (SC)	VR6602 (SC)	$185 \pm 10 \mu\text{Sec}$



8.3. P.C.B. (Print Circuit Board) Remove

8.3.1. Caution

1. To remove P.C.B., wait 1 minute after power was off for discharge from electrolysis capacitors.

8.3.2. Quick adjustment after P.C.B. Remove

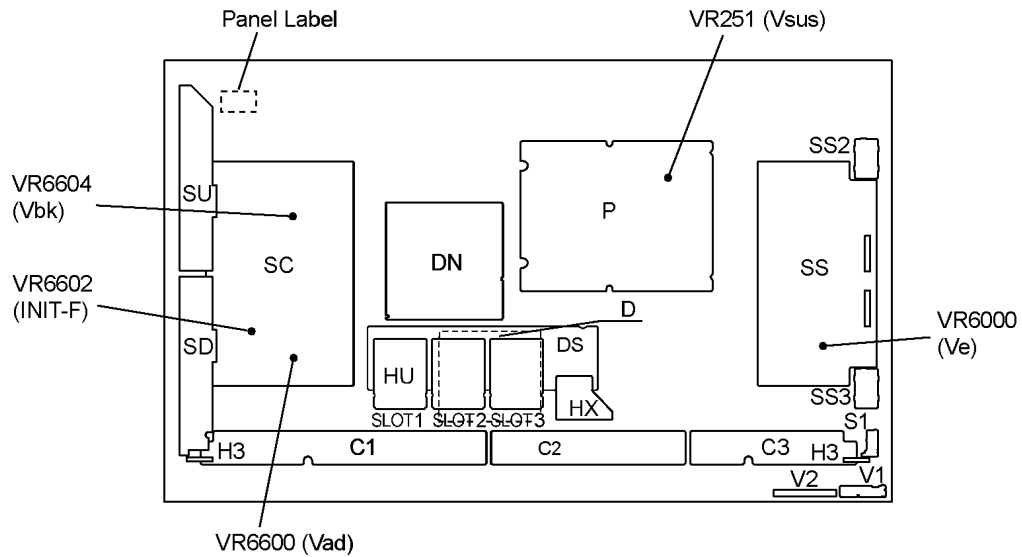
P.C.B.	Name	Test Point	Voltage	Volume	Remarks
P Board	Vsus	TPVSUS (SS)	$V_{\text{sus}} \pm 2\text{V}$	VR251 (P)	*
SC Board	Vad	TPVAD	$-105\text{V} \pm 1\text{V}$	VR6600 (SC)	
	Vbk	TPVBK	$155\text{V} \pm 1\text{V}$	VR6604 (SC)	
SS Board	Ve	TPVE	$V_e \pm 1\text{V}$	VR6000 (SS)	*
DS Board	White balance, Pedestal and Sub brightness for NTSC, PAL, HD, PC and 625i signals				
DN Board	Set Market Select Number to correct destination by Ms mode (See chap. 9.1.4)				

*See the Panel label.

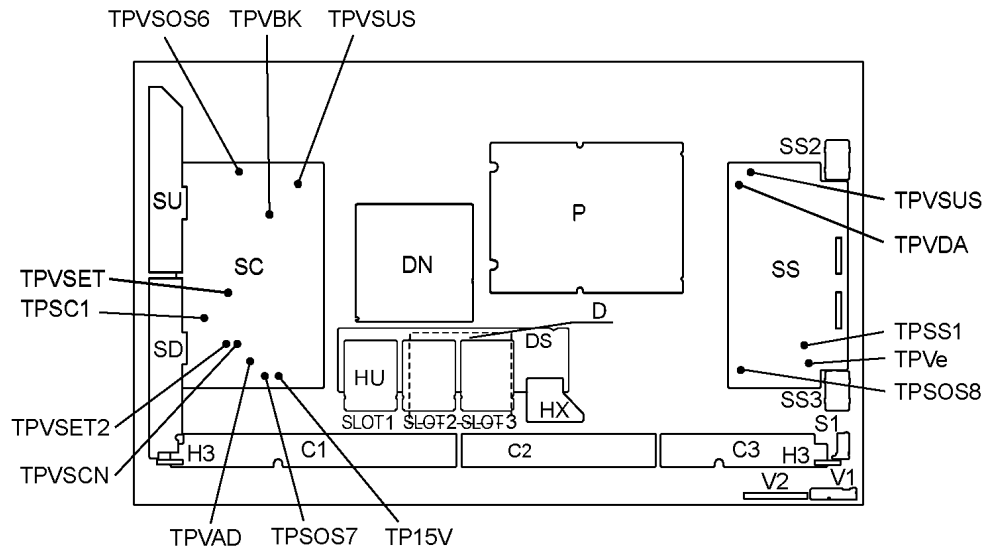
Caution

Absolutely do not reduce V_{sus} below V_e not to damage the P.C.B.

8.4. Adjustment Volume Location



8.5. Test Point Location



9 Service mode

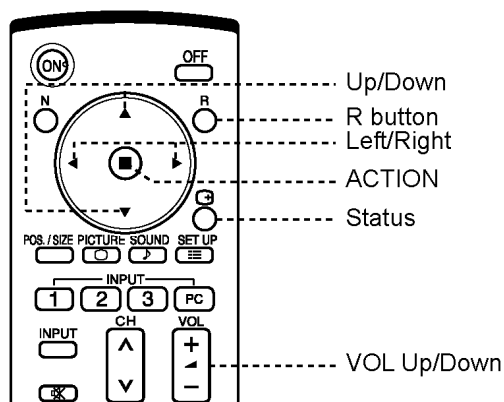
9.1. CAT (Computer Aided Test) mode

CAT mode menu

CAT panel sys. 8. 2		
IIC Mode	←	
CD Mode	←	
SD Mode	←	
MS Mode	←	
ID Mode	←	

Mode	Function	Access button
IIC	Service Alignment	Action
CD(Complete Diagnostics)	Software version information EEPROM edit	Mute more than 5 seconds
SD(Status Display)	MTBF parameter	Action
MS Mode	Market Select	Mute more than 5 seconds
ID Mode	LSI Check	Mute more than 5 seconds

Remote control



How to access the CAT mode.

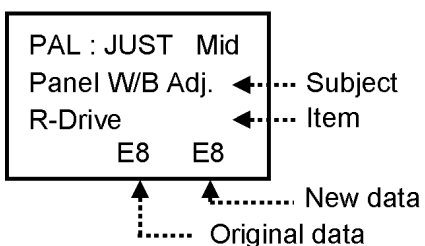
Press and the hold the **Volume down / - button** on the front panel of the unit and press the **status button** on the remote control 3 times quickly within 2 seconds, this will place the unit into the CAT mode.

To exit the **CAT mode**, access the **ID mode** and switch off the main power.

9.1.1. IIC mode

Select the IIC mode by **Up/Down button** on the remote control at the front page of CAT mode and then press the **Action button** on the remote control.

OSD



How to use the IIC mode.

1. Select the alignment **Subject** by **Up/Down buttons** on the remote control.
2. Select the alignment **Item** by **Left/Right buttons** on the remote control.
3. Adjust **optimum setting** by **Volume Up/Down buttons** on the remote control.
4. The **data is memorized** when press the **R button** on the remote control or change the alignment Subject (or Items).

Subject and item are mentioned on "IIC mode structure".

To exit the IIC mode, press the **R button** on the remote control.

9.1.2. CD mode

Select the CD mode by **Up/Down button** on the remote control at the front page of CAT mode and then press the **Mute button** on the remote control more than 5 seconds.

CD			
MONITOR—MCU	1. 0200H10	OK Factory use
MONITOR—EEPROM DN	41. 00 1	76 DA	
MONITOR—EEPROM H	-- --	-- --	
MONITOR—FPGA	200		
MONITOR—EEPROM Change Addr	00	01	
	Data 01	01 New data
PANEL—MCU	2. 02		
PANEL—EEPROM	44 00		
PANEL—FPGA	41 04		
PANEL—PDR0M	41 05		
PTCT	00. 00. 00. 00. 00	 SOS history
		 Original data

Microcomputer software version (IC4702), this version can be upgrade by

1. replace of new version IC
2. Loading the new version software from loader tool, TZSC07036.

Memory data change

Address Change by **Up/Down buttons** on the remote control.

Change by **Left/Right buttons** on the remote control.

Data Change by **VOL Up/Down buttons** on the remote control.

The data is memorized when switch off the main power.

To exit the CD mode, press the **R button** on the remote control.

9.1.3. SD mode

Select the SD mode by **Up/Down button** on the remote control at the front page of CAT mode and then press the **Action button** on the remote control.

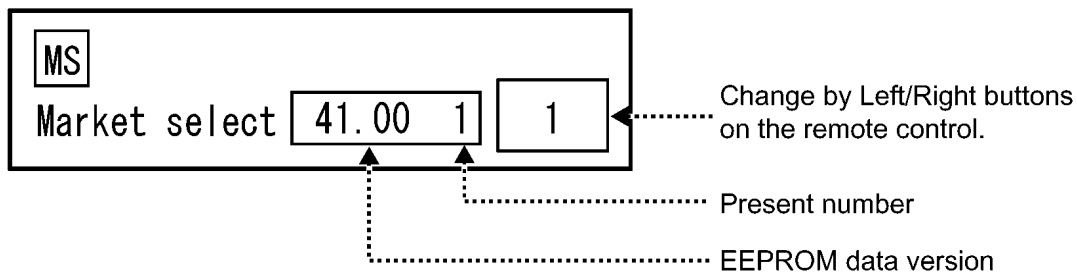
OSD

SD																							
Input command check	<table border="1"> <tr> <td>3</td><td>3</td><td>3</td><td>3</td><td>66</td><td>66</td><td>66</td> </tr> <tr> <td>39</td><td>FF</td><td>66</td><td>39</td><td>3</td><td>3</td><td>3</td> </tr> <tr> <td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td> </tr> </table>	3	3	3	3	66	66	66	39	FF	66	39	3	3	3	3	3	3	3	3	3	3 History of remote control command. (Factory use).
3	3	3	3	66	66	66																	
39	FF	66	39	3	3	3																	
3	3	3	3	3	3	3																	
MTBF Parameter	WT <input type="text" value="22"/> PT <input type="text" value="0"/> Cumulative Time for power on condition. (unit :hour)																					
Remote Control Mode	<input type="text" value="A"/> <input type="text" value="B"/> Counter of power on. (unit :time)																					

To exit the SD mode, press the **R button** on the remote control.

9.1.4. MS mode

Select the MS mode by **Up/Down button** on the remote control at the front page of CAT mode and then press the **Mute button** on the remote control more than 3 seconds.



To exit the MS mode, press the **R button** on the remote control.

Caution:

Market Select should be set after exchange of DN-Board.

Destination number

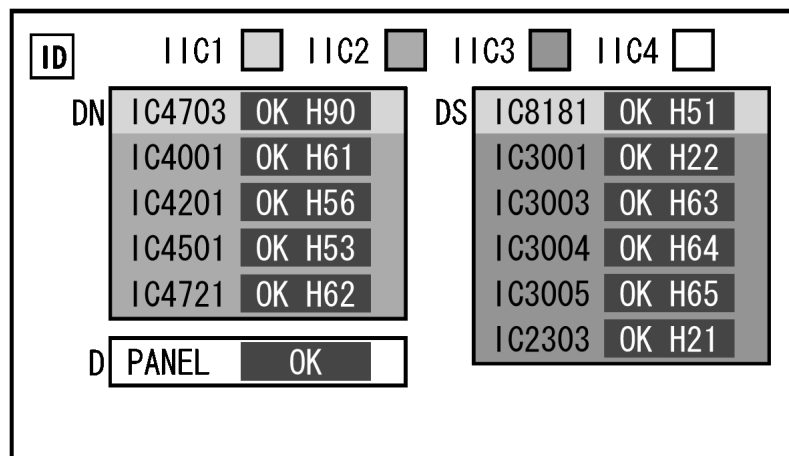
Number	Destination	Number	Destination
0	Japan	16	--
1	North America	17	--
2	Europe	18	China
3	Others	19	China (Hotel)
4	Britain	20	Russia
5	Taiwan	21	Russia (Hotel)
6	Thailand	22	Hong Kong
7	--	23	--
8	Japan (Hotel)	24	--
9	North America (Hotel)	25	--
10	Europe (Hotel)	26	--
11	--	27	--
12	Britain (Hotel)	28	Middle East/Hong Kong
13	--	29	Middle East/Hong Kong (Hotel)
14	Thailand (Hotel)	30	Australia
15	--	31	Australia (Hotel)

Default setting

Number	Destination
1	North America

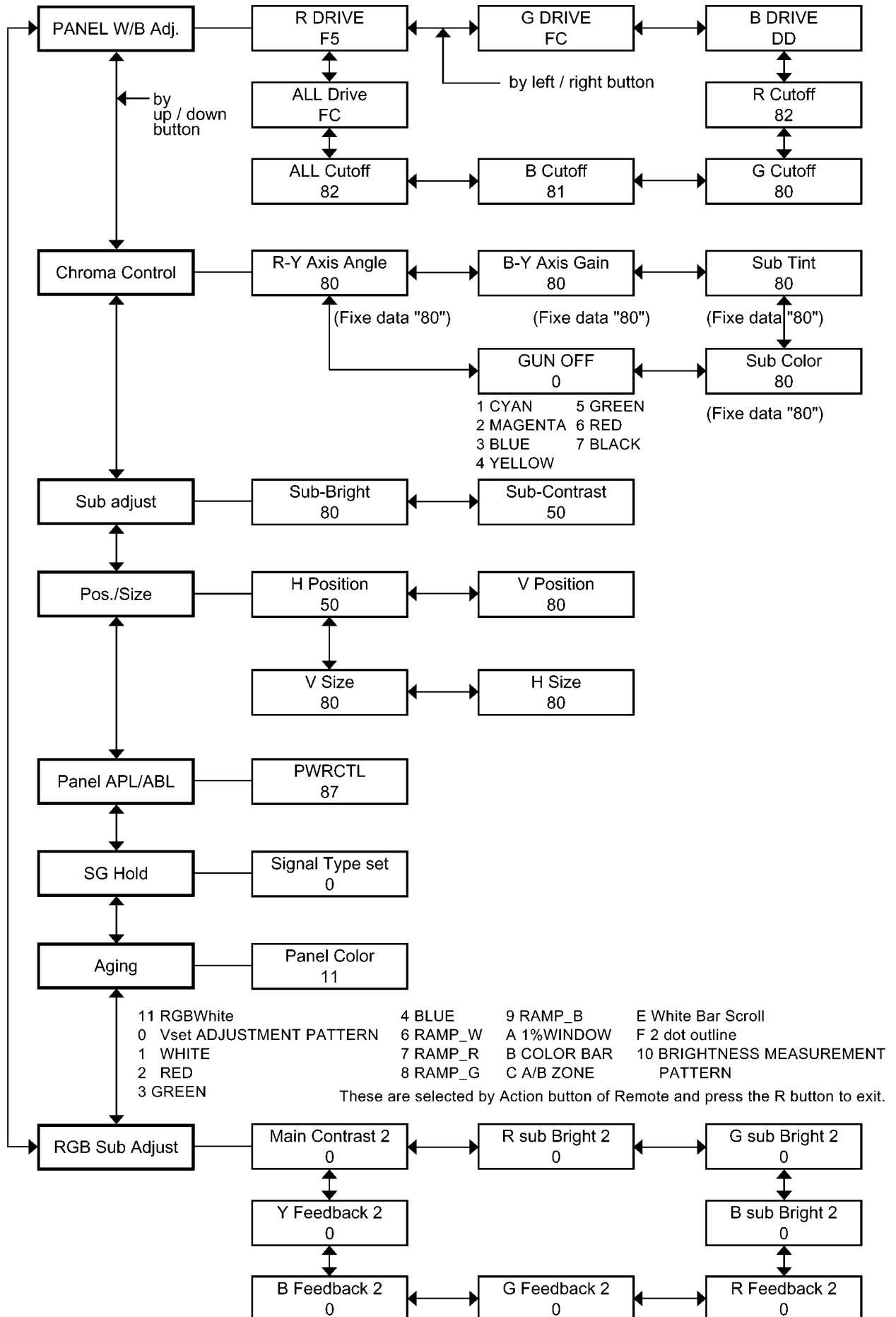
9.1.5. ID mode

Select the ID mode by **Up/Down button** on the remote control at the front page of CAT mode and then press the **Mute button** on the remote control more than 3 seconds.



To exit the ID mode, press the **R button** on the remote control.

9.2. IIC mode structure (following items value is sample data.)



10 Adjustment

10.1. RGB white balance adjustment

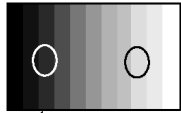
Instrument Name	Connection	Remarks												
<ul style="list-style-type: none"> RGB VGA W/B pattern Color analyzer (Minolta CA-100 or equivalent) 	PC input Panel surface	User setting: Normal (Picture menu: Standard)												
Procedure		Remarks												
<ul style="list-style-type: none"> Ensure aging is adequate. Make sure the front panel to be used on the final set is fitted. Make sure a color signal is not being shown before adjustment. Put the color analyzer where there is little color variation. <ol style="list-style-type: none"> Set COMPONENT/RGB-IN SELECT to RGB. Select the IIC mode "PANEL W/B Adj." item. Check that the color temperature is "COOL (High)". Output a white balance pattern. Touch the signal receiver of color analyzer to the highlight window's center. Fix G drive at E0h and adjust B drive and R drive so x, y become the "Color temperature High" in the below table. Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. Set color temperature to "NORMAL (Medium)". Fix G drive at E0h and adjust B drive and R drive so the highlight window's x, y becomes the "Color temperature Medium" in the below table. Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. Set color temperature to "WARM(Low)". Set G drive to E0h and adjust B drive and R drive so the highlight window's x, y become the "Color temperature Low" shown in the below table. Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. Copy the R drive, G drive and B drive data in NTSC, PAL DVI region. <p>Table 1 W/B adjustment values</p> <table border="1"> <thead> <tr> <th>Color temperature</th><th>x</th><th>y</th></tr> </thead> <tbody> <tr> <td>High</td><td>0.276</td><td>0.276</td></tr> <tr> <td>Medium</td><td>0.288</td><td>0.296</td></tr> <tr> <td>Low</td><td>0.313</td><td>0.329</td></tr> </tbody> </table> <p>Adjustment target</p> <p>Hi-light: $x \pm 0.003$ $y \pm 0.003$</p> <p>Hi-light is target of the number at drive adjustment in the hi-light windows.</p> <p>Therefore, it is not target of the hi-light number at after adjustment white balance.</p>		Color temperature	x	y	High	0.276	0.276	Medium	0.288	0.296	Low	0.313	0.329	Picture Menu: Standard Picture: 25 Aspect: Full Position and size: Normal <ul style="list-style-type: none"> Highlight section Signal amplitude 75% <p>RGB VGA W/B Pattern</p>  <p>High light 75% Low light 15%</p> <ul style="list-style-type: none"> Cutoff standard G: 80h Drive standard G: E0h
Color temperature	x	y												
High	0.276	0.276												
Medium	0.288	0.296												
Low	0.313	0.329												

Table 2 Drive data addresses (PC/RGB)

Color temperature	R	G	B
High	A0-11AD	A0-11AE	A0-11AF
Medium	A0-11B0	A0-11B1	A0-11B2
Low	A0-11B3	A0-11B4	A0-11B5

Table 3 Drive data addresses (NTSC)

Color temperature	R	G	B
High	A0-1180	A0-1181	A0-1182
Medium	A0-1183	A0-1184	A0-1185
Low	A0-1186	A0-1187	A0-1188

Table 4 Drive data addresses (PAL)

Color temperature	R	G	B
High	A0-1189	A0-118A	A0-118B
Medium	A0-118C	A0-118D	A0-118E
Low	A0-118F	A0-1190	A0-1191

Table 5 Drive data addresses (DVI)

Color temperature	R	G	B
High	A0-11B6	A0-11B7	A0-11B8
Medium	A0-11B9	A0-11BA	A0-11BB
Low	A0-11BC	A0-11BD	A0-11BE

10.2. HD white balance adjustment


Instrument Name	Connection	Remarks												
<ul style="list-style-type: none"> • HD W/B pattern (COMPONENT Output) • Color analyzer (Minolta CA-100 or equivalent) 	PC input Panel surface	User setting: Normal (Picture menu: Standard)												
Procedure		Remarks												
<ul style="list-style-type: none"> • Ensure aging is adequate. • Make sure the front panel to be used on the final set is fitted. • Make sure a color signal is not being shown before adjustment. • Put the color analyzer where there is little color variation. <ol style="list-style-type: none"> 1. Set COMPONENT/RGB-IN SELECT to COMPONENT. 2. Select the IIC mode "PANEL W/B Adj." item. 3. Check that the color temperature is "COOL (High)". 4. Output a white balance pattern. 5. Touch the signal receiver of color analyzer to the highlight window's center. 6. Fix G drive at E0h and adjust B drive and R drive so x, y become the "Color temperature High" in the below table. 7. Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. 8. Set color temperature to "NORMAL (Medium)". 9. Fix G drive at E0h and adjust B drive and R drive so the highlight window's x, y becomes the "Color temperature Medium" in the below table. 10. Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. 11. Set color temperature to "WARM (Low)". 12. Set G drive to E0h and adjust B drive and R drive so the highlight window's x, y become the "Color temperature Low" shown in the below table. 13. Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. 14. Copy the R drive, G drive and B drive data in YUV1_525ip, YUV3_625ip region. <p>Table 6 W/B adjustment values</p> <table border="1"> <thead> <tr> <th>Color temperature</th><th>x</th><th>y</th></tr> </thead> <tbody> <tr> <td>High</td><td>0.276</td><td>0.276</td></tr> <tr> <td>Medium</td><td>0.288</td><td>0.296</td></tr> <tr> <td>Low</td><td>0.313</td><td>0.329</td></tr> </tbody> </table> <p>Adjustment target</p> <p>Hi-light: $x \pm 0.003$ $y \pm 0.003$</p> <p>Hi-light is target of the number at drive adjustment in the hi-light windows.</p> <p>Therefore, it is not target of the hi-light number at after adjustment white balance.</p>		Color temperature	x	y	High	0.276	0.276	Medium	0.288	0.296	Low	0.313	0.329	Picture Menu: Standard Picture: 25 Aspect: Full Position and size: Normal <ul style="list-style-type: none"> • Highlight section Signal amplitude 75% <p>HD W/B Pattern (COMPONENT Output)</p>  <p>High light 75% Low light 15%</p> <ul style="list-style-type: none"> • Cutoff standard G: 80h • Drive standard G: E0h
Color temperature	x	y												
High	0.276	0.276												
Medium	0.288	0.296												
Low	0.313	0.329												

Table 7 Drive data addresses (YUV2_HD)

Color temperature	R	G	B
High	A0-119B	A0-119C	A0-119D
Medium	A0-119E	A0-119F	A0-11A0
Low	A0-11A1	A0-11A2	A0-11A3

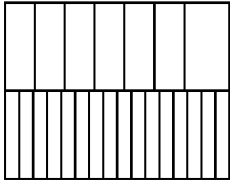
Table 8 Drive data addresses (YUV1_525ip)

Color temperature	R	G	B
High	A0-1192	A0-1193	A0-1194
Medium	A0-1195	A0-1196	A0-1197
Low	A0-1198	A0-1199	A0-119A

Table 9 Drive data addresses (YUV3_625ip)

Color temperature	R	G	B
High	A0-11A4	A0-11A5	A0-11A6
Medium	A0-11A7	A0-11A8	A0-11A9
Low	A0-11AA	A0-11AB	A0-11AC

10.3. Power control adjustment

Instrument Name	Connection	Remarks
<ul style="list-style-type: none"> • PC (RGB) signal generator (Leader: VGA/No.9 signal) • Wattmeter 	<ul style="list-style-type: none"> • PC input • Connect the AC power of the adjustment set to the wattmeter. 	Set "RGB" at 'COMPONENT/RGB-IN SELECT' in Setup Menu.
Procedure		Remarks
<ul style="list-style-type: none"> • Make sure the set is aged for 30 minutes or more before adjustment. • Voltage 120V 50/60Hz (variation within 1%) • Volume at minimum and screen size at full • PC input and picture menu at normalized Dynamic <ol style="list-style-type: none"> 1. Connect the set's AC power to the wattmeter. 2. Receive the VGA No.9 signal from Leader. 3. Select the PWRCTL item in Panel APL/ABL in the IIC mode. 4. Adjust PWRCTL so the set's power consumption is description below. Adjust to shift large to small for DAC. <p>Factory adjustment with OSD</p> <p>425 0/-10W</p>		 <p>No.9 Signal</p> <p>Top half: Full color bar</p> <p>Bottom half: Horizontal 16 steps bar</p> <p>Notes:</p> <ol style="list-style-type: none"> 1. When passing through factory adjustment mode, the power few watts which goes down is the consideration being completed. 2. Adjust the large number for DAC when they have 2 adjustment points.

11 Trouble shooting guide

11.1. Self Check

11.1.1. Display Indication

1. Self-check is used to automatically check the bus line controlled circuit of the Plasma display.
2. To get into the Self-check mode, press the **volume down** button on the customer controls at the bottom of the set, at the same time pressing the **OFF-TIMER** button on the remote control, and the screen will show:-

If the CCU ports have been checked and found to be incorrect

Or not located then " - - " will appear in place of " OK "

" 01 " in the line of the " PTCT " means the number of blinks of the Power LED is 1. (Refer to 12.1.2)

" H09 " in the line of the " PTCT " is the error code.

Note:

The line of the " PTCT " displays when you get into the Self-check mode for the first time only after the Power LED blinks.

ID	IIC1	IIC2	IIC3	IIC4
DN	IC4703 OK H90		DS	IC8181 OK H51
	IC4001 OK H61			IC3001 OK H22
	IC4201 OK H56			IC3003 OK H63
	IC4501 OK H53			IC3004 OK H64
	IC4721 OK H62			IC3005 OK H65
				IC2303 OK H21
D	PANEL OK			
	PTCT 01 H09			

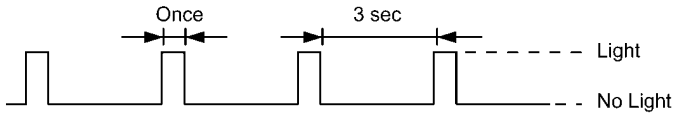
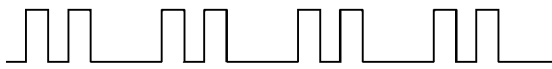


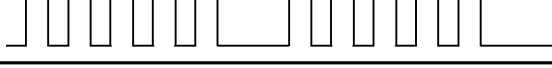
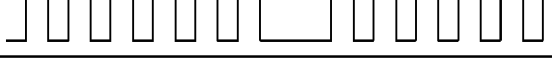
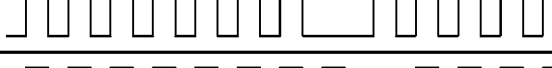



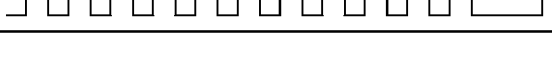
11.1.2. Power LED Blinking timing chart

1. Subject

Information of LED Blinking timing chart.

2. Contents

When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinks of the Power LED on the front panel of the unit.

Blinking times	Blinking timing	Contents & Check point	Check point
1		No particular check point	—
2		15V SOS	P-Board
3		3.3V SOS	D-Board DN-Board
4		POWER SOS	P-Board
5		5V SOS	P-Board D-Board DN-Board
6		Driver SOS1	SC-Board
7		Driver SOS2	SU-Board SD-Board SC-Board
8		Driver SOS3	SS-Board
9		Panel Config SOS	D-Board
10		Terminal Board SOS	Terminal Board DS-Board
11		FAN SOS	DN-Board FAN

3. Remarks

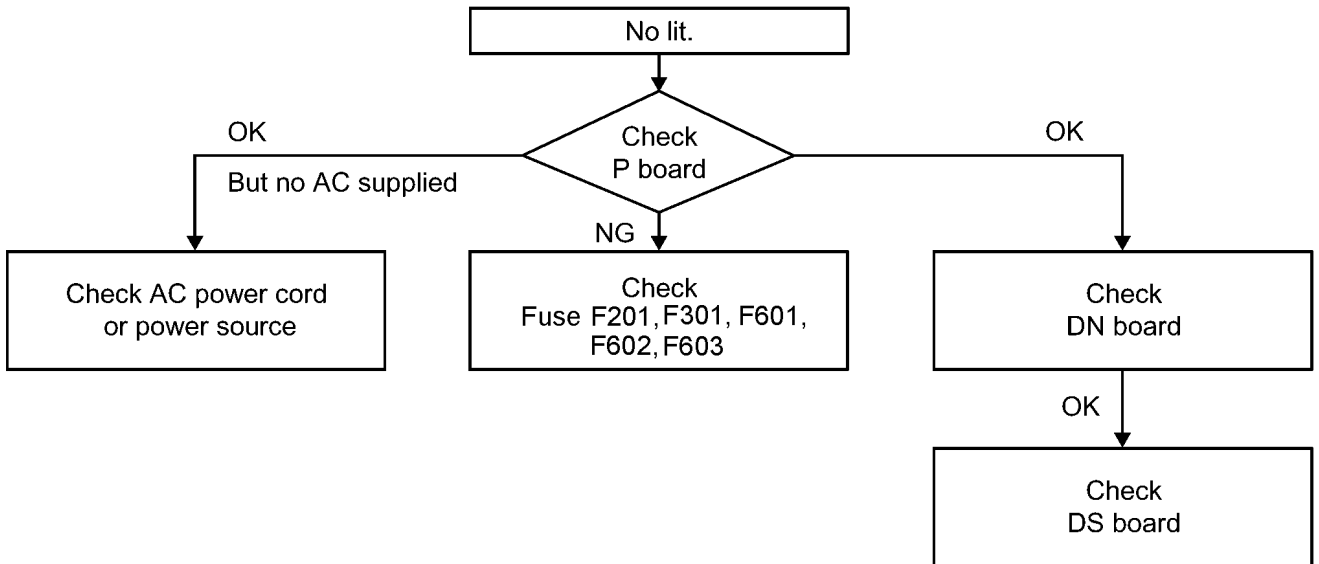
Above Fan function is operated during the fans are installed.

11.2. No Power

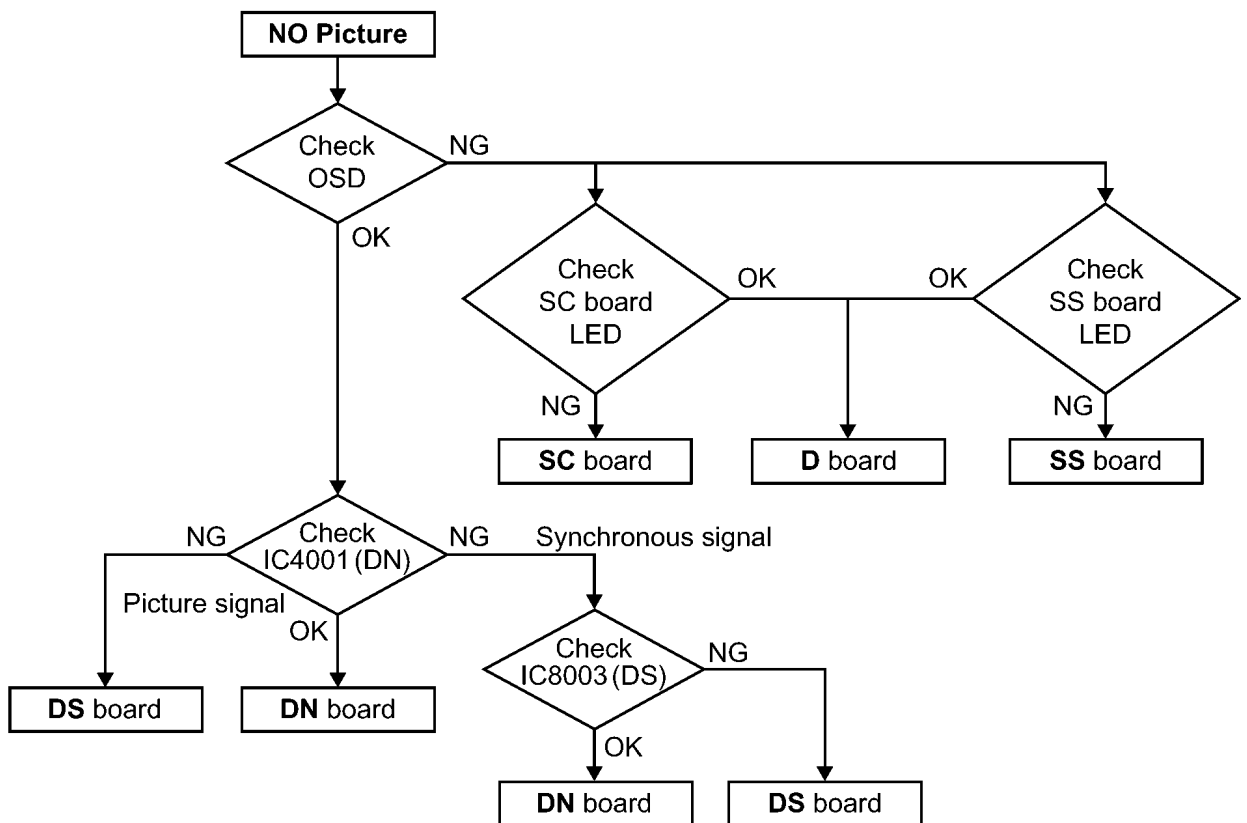
First check point

There are following 3 states of No Power indication by power LED.

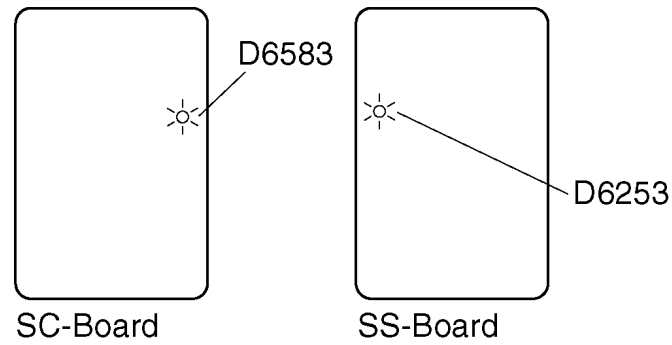
1. No lit.
2. Green is lit then turns red blinking a few seconds later.
3. Only red is lit.



11.3. No Picture



Drive circuits LED indicator



11.4. Local screen failure

Plasma display may have local area failure on the screen. Fig - 1 is the possible defect P.C.B. for each local area.

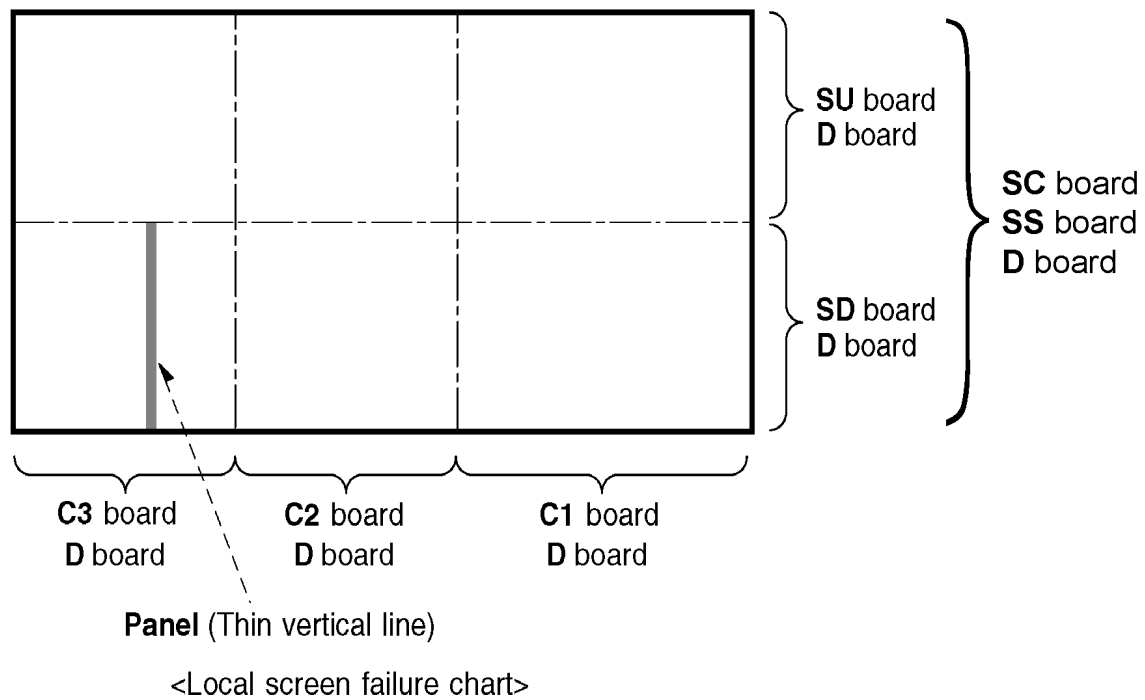

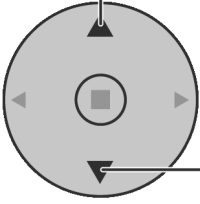



Fig - 1

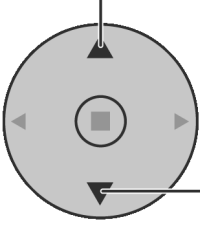
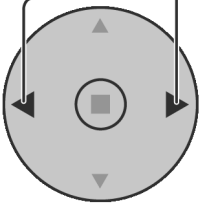

12 Option Setting

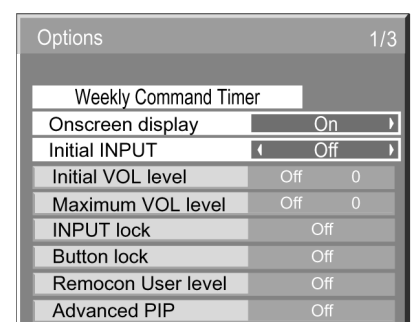
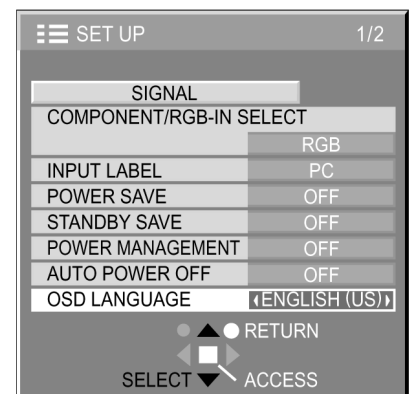
How to access the Option menu

- 1  Press to display the Setup menu.
- 2  Press to select OSD Language .
- 3  Press and hold until the Options menu is displayed.



Setting the Option menus

- 1  Press to select your preferred menu.
- 2  Press to adjust the menu.
- 3  Press to exit from Options menu.



Option Menu for GPH10D series

GPH10D chassis series have special function and operation setting facility called Option Menu. This Option Menu is useful for special function required customers. This should be set at the installation stage.

Option menus	default setting	Contents
Off-timer function	Enable	Off-timer operation Enable/Disable.
Onscreen display	On	Enable/Disable to display input mode indication after power on and no signal indication.
Initial INPUT	Off	Sets the initial input mode when the power is turned on. Allow input mode selection while power is on.
Initial VOL level	Off	Sets the initial volume level when the power is turned on. Allow Volume control while power is on.
Maximum VOL Level	Off	Sets the maximum volume to desired level. Volume cannot exceed this level.
INPUT lock	Off	Fixes the input mode to AV, Component/RGB or PC. Can not change input mode by input selection key.
Studio W/B	Off	Set warm mode color temperature to 3,200 Kelvin.
Advanced PIP	Off	Off: Sets normal two screen display mode. On: Sets Advanced PIP mode.
Display size	Off	Adjusts the image display size on screen. On: Sets the image display size approximately 95% of the normal image display.
Button lock	Off	Enable/Disable bottom operation buttons (Input, Menu, Enter and/or volume up/down)
Remocon User Level	Off	Remote key invalidation. Off: Valid key is all key of remote. User1: Valid key are only Stand-by (ON/OFF), Input, Direct input, Status, Surround, Sound mute On/Off, and volume adjustment. User2: Valid key is only Stand-by (ON/OFF). User3: All keys are null and void
ID select	0	Set ID number from 0 to 100.
Remote ID	Off	Remote ID function On/Off. (While the Remote ID on, standard remote function can not control the unit.)
Serial ID	Off	Serial ID function On/Off
Slot power	Off	Sets the slot power mode while the power is turned on. Allow Optional Terminal Board insert Slots while power is on.
V. Installation	Off	V. Installation function On/Off (Not used)
Rotate	Off	The image rotates 180 degrees (up-down)
Serial Slot Select	Slot1	Selects the slot which communicates serial. Note: The setting of an external command can be set only from the fixed serial terminal.

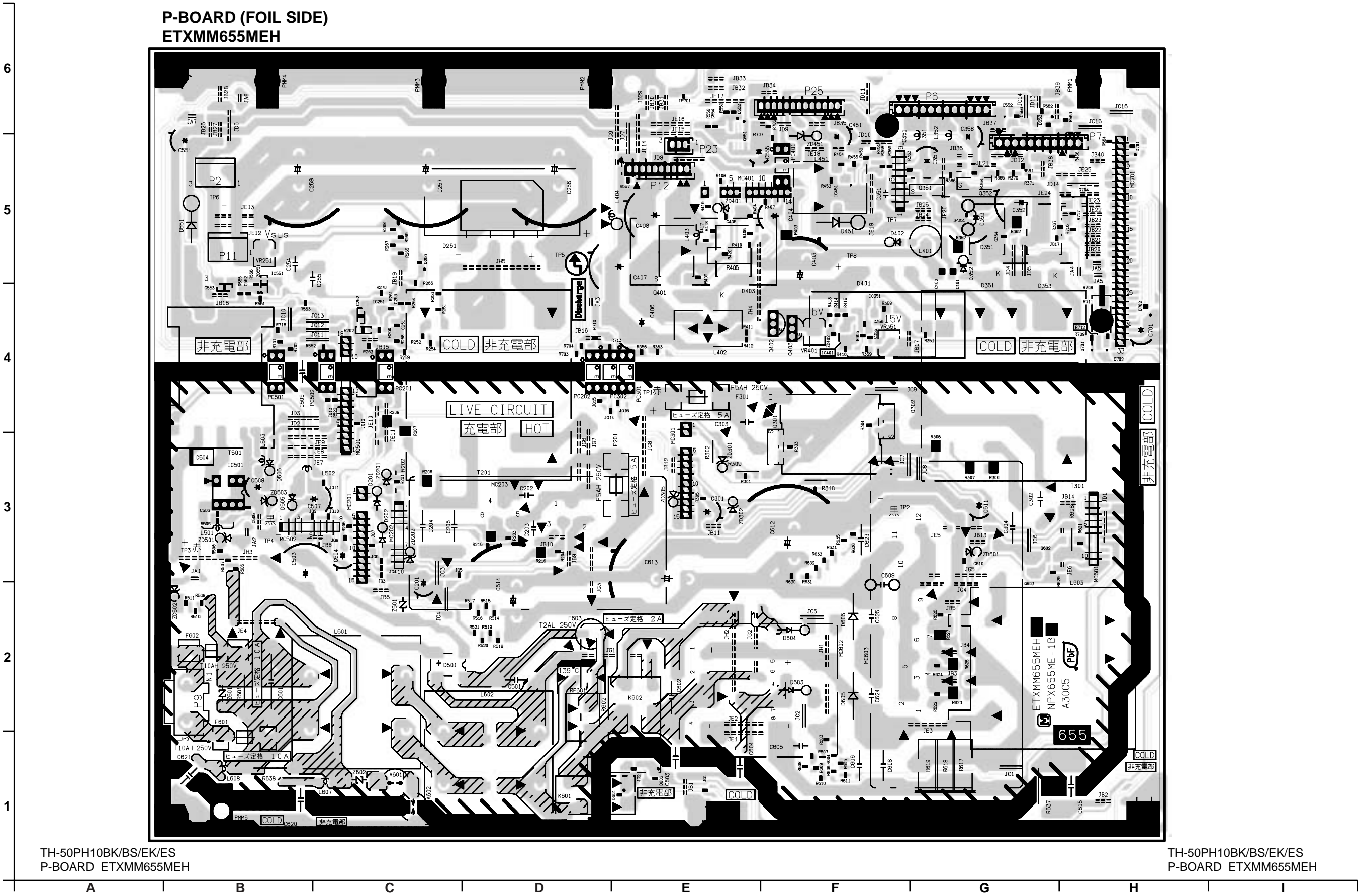
Note:

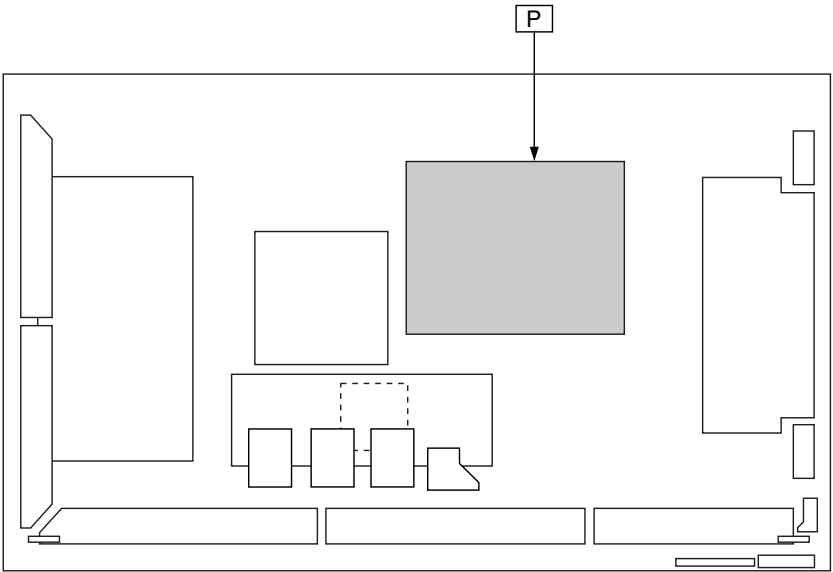
When both main unit buttons and remote control are disabled due to the "Button lock", "Remocon User level" or "Remote ID" adjustments, set all the values "Off" so that all the buttons are enabled again.

Press the "Volume down" button on main unit together with "R" button on the remote control and hold for more than 5 seconds. The "SHIPPING" menu is displayed and the lock is released when it disappears.

13 Conductor Views

13.1. P-Board





Parts Location

P-BOARD (FOIL SIDE)					
IC		TRANSISTOR		PHOTO COUPLER	
IC251	C-4	Q301	F-3	PC201	C-4
IC351	F-4	Q302	F-4	PC202	D-4
IC401	F-4	Q351	G-5	PC301	E-4
IC451	F-5	Q352	G-5	PC302	E-4
IC501	B-3	Q401	E-4	PC401	F-5
IC551	B-5	Q402	F-4	PC501	B-4
MODULE		Q403	F-4	PC502	C-4
		Q551	E-5	VOLUME	
MC201	C-3	Q552	G-6	VR251	B-5
MC202	C-3	Q602	G-3	VR351	F-4
MC203	D-3	Q603	G-2	VR401	F-4
MC301	E-3	Q701	H-4		
MC351	F-5	Q702	H-4		
MC401	E-5	Q704	H-5		
MC501	C-4				
MC502	B-3				
MC601	H-3				
MC602	F-2				
MC603	F-2				
MC701	H-5				

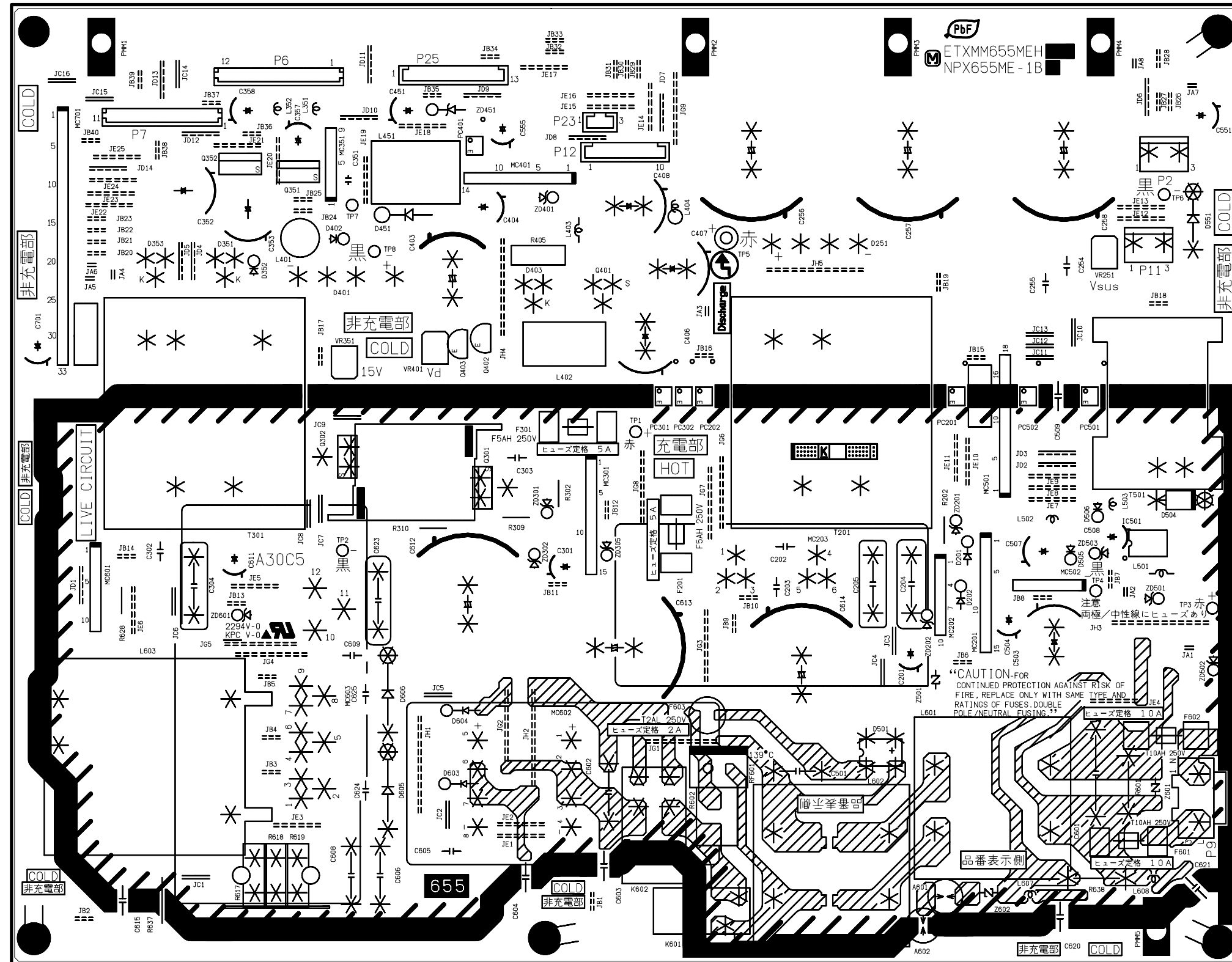
TH-50PH10BK/BS/EK/ES
P-BOARD PARTS LOCATION

Parts Location

P-BOARD (COMPONENT SIDE)					
IC		TRANSISTOR		PHOTO COUPLER	
IC501	H-3	Q301	D-4	PC201	G-4
MODULE		Q302	C-4	PC202	E-4
		Q351	C-5	PC301	E-4
MC201	G-3	Q352	C-5	PC302	E-4
MC202	G-3	Q401	E-5	PC401	D-5
MC203	F-3	Q402	D-4	PC501	H-4
MC301	E-3	Q403	D-4	PC502	G-4
MC351	C-5			VOLUME	
MC401	D-5			VR251	H-5
MC501	G-4			VR351	C-4
MC502	G-3			VR401	D-4
MC601	B-3				
MC602	E-2				
MC603	C-2				
MC701	B-5				

TH-50PH10BK/BS/EK/ES
P-BOARD PARTS LOCATION

P-BOARD (COMPONENT SIDE)
ETXMM655MEH



TH-50PH10BK/BS/EK/ES
P-BOARD ETXMM655MEH

TH-50PH10BK/BS/EK/ES
P-BOARD ETXMM655MEH

13.2. HU-Board

6

5

4

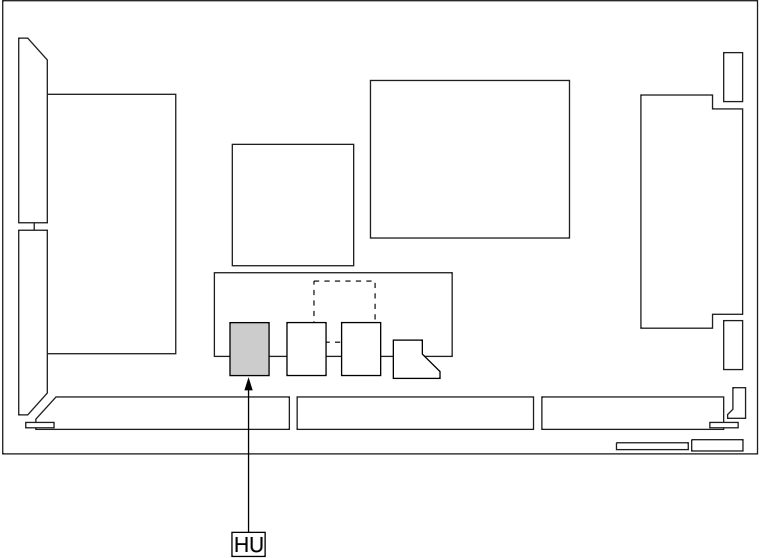
3

2

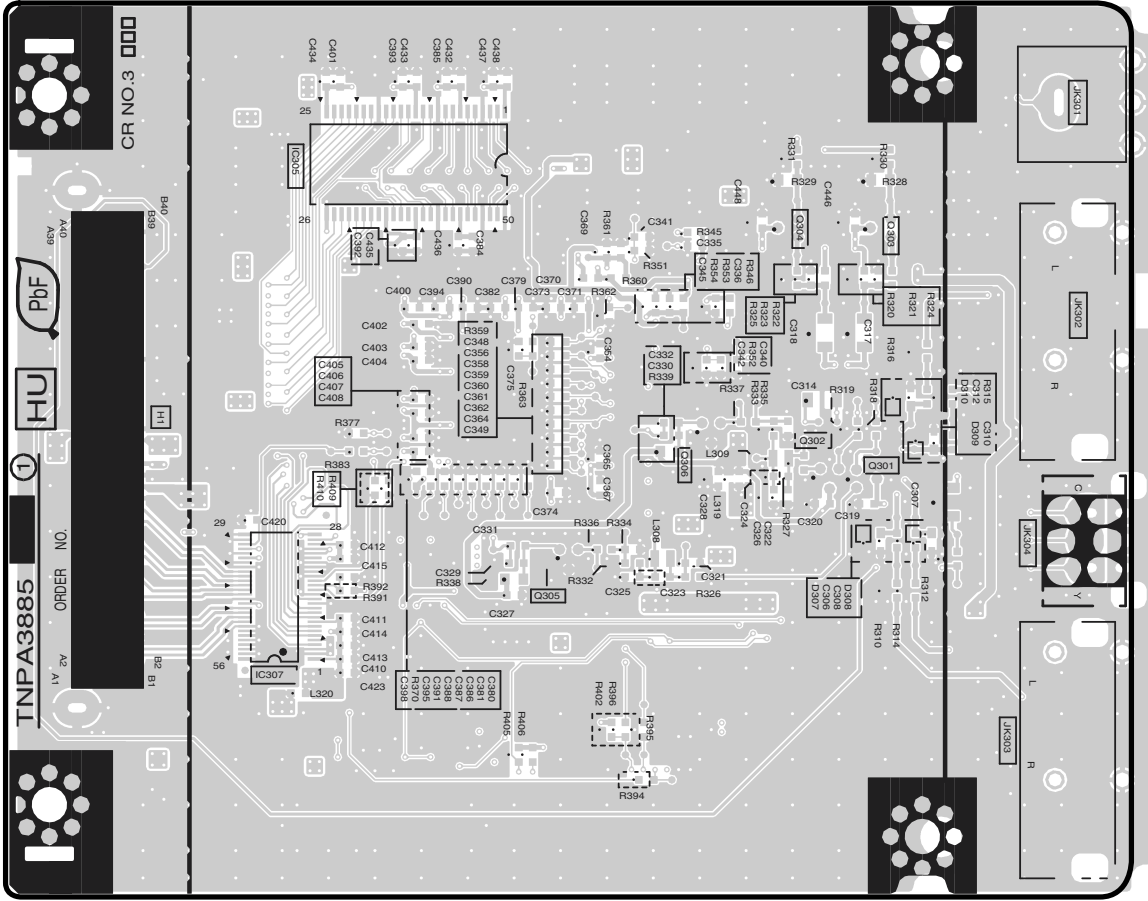
1

Parts Location

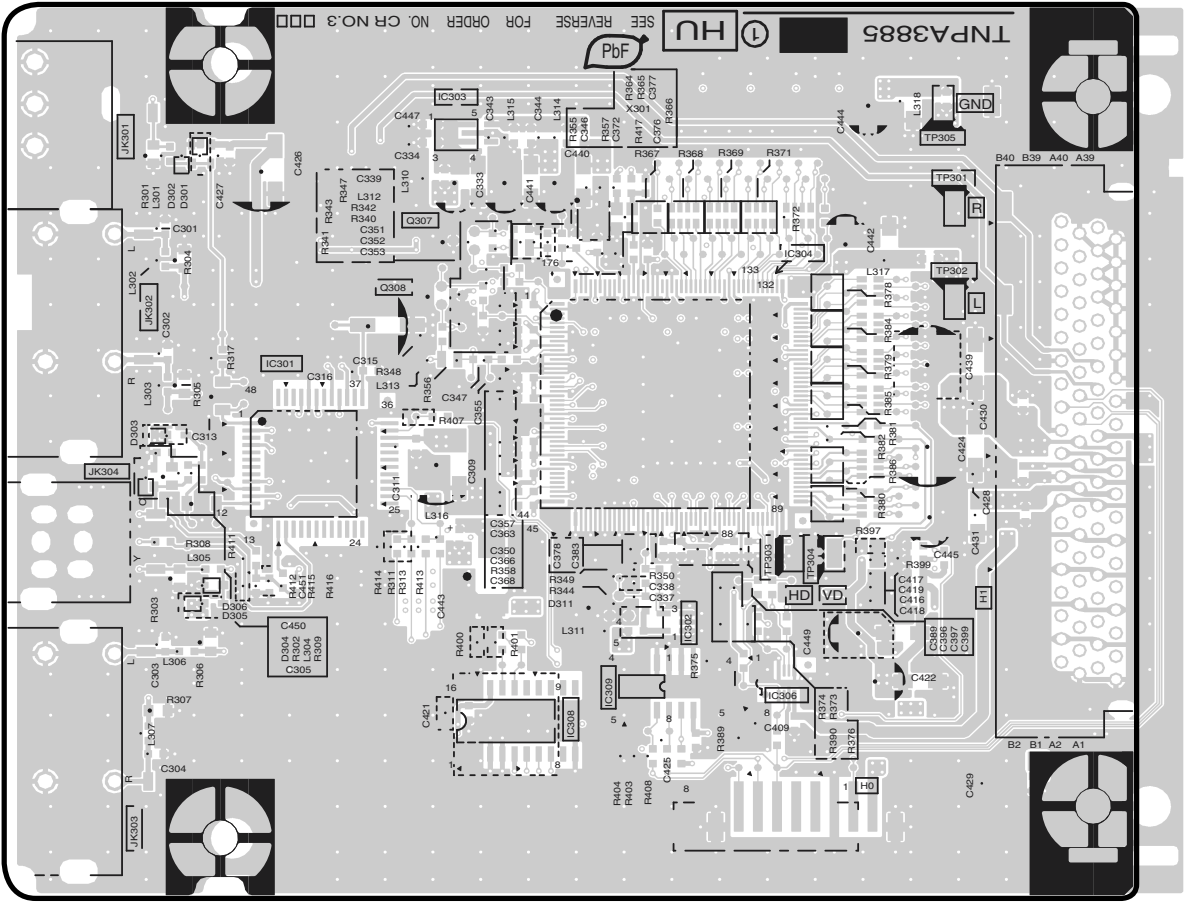
HU-BOARD					
IC		TRANSISTOR		TP	
IC3301	F-2	Q3301	D-2	TP3301	I-3
IC3302	G-2	Q3302	D-2	TP3302	I-3
IC3303	G-4	Q3303	D-3	TP3303	H-2
IC3304	G-3	Q3304	D-3	TP3304	H-2
IC3305	B-3	Q3305	C-2	TP3305	H-4
IC3306	H-2	Q3306	C-3		
IC3307	B-2	Q3307	G-3		
IC3308	G-2	Q3308	G-3		
IC3309	G-2				



HU-BOARD (FOIL SIDE)
TXNHU1ZFTE



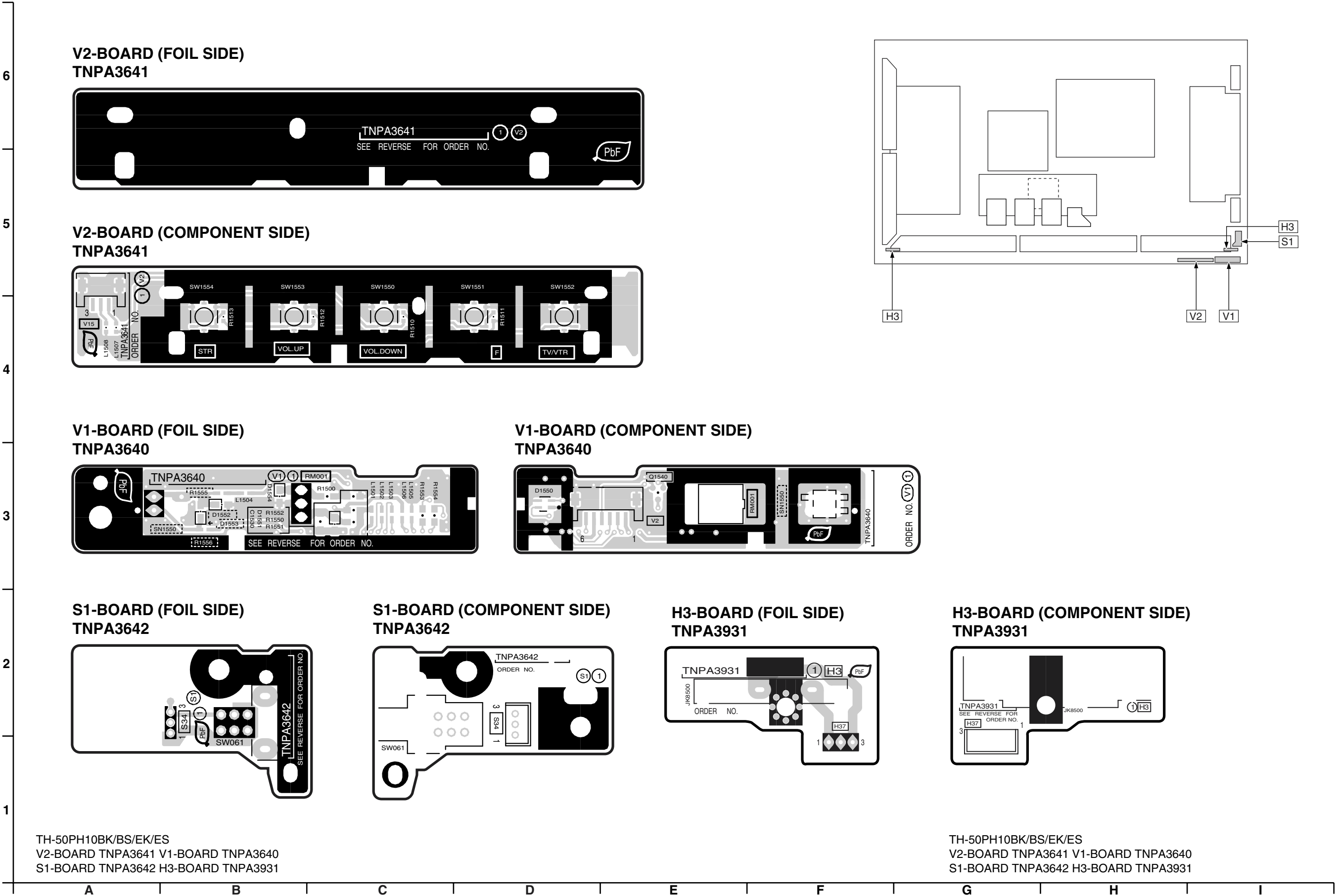
HU-BOARD (COMPONENT SIDE)
TXNHU1ZFTE



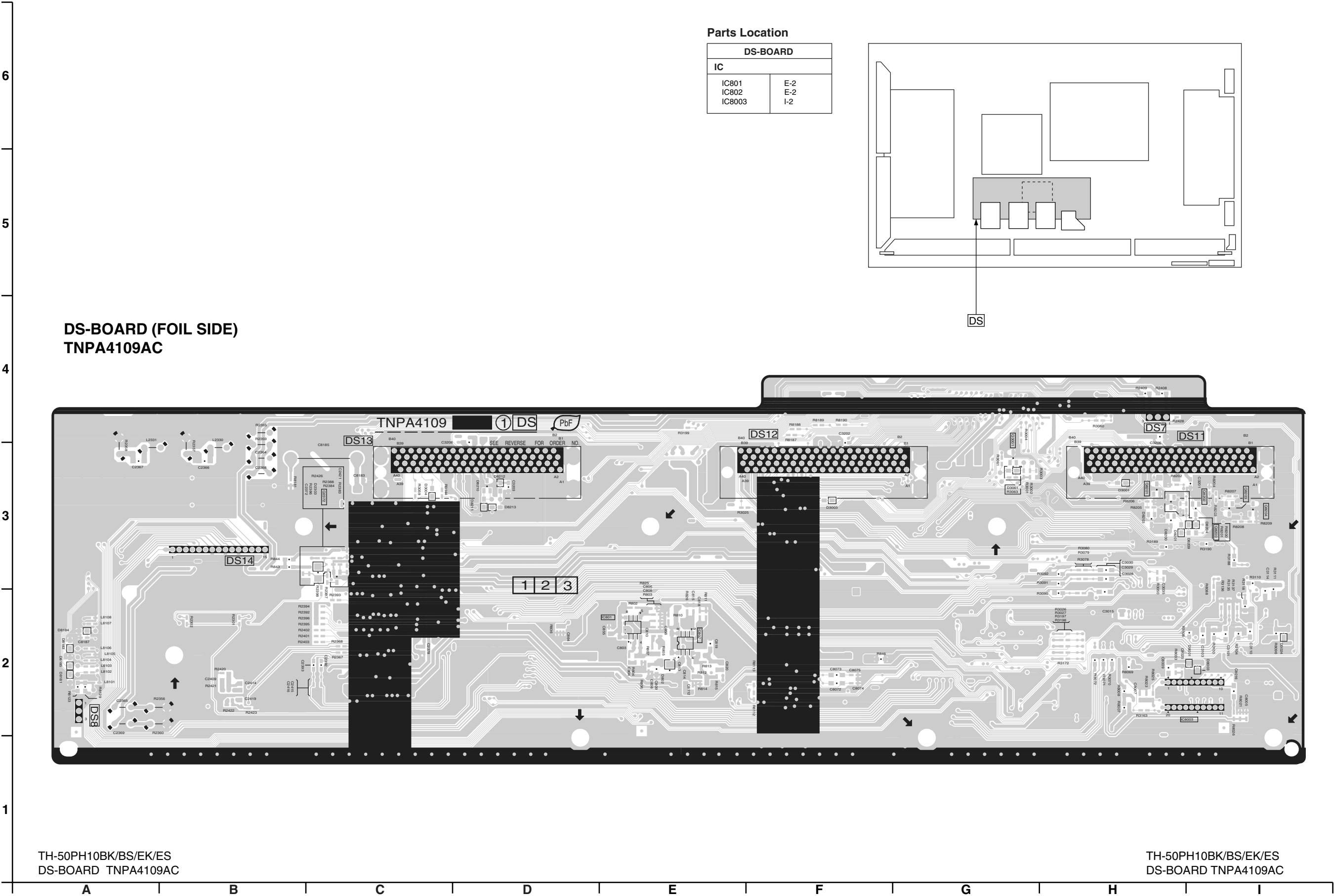
TH-50PH10BK/BS/EK/ES
HU-BOARD TXNHU1ZFTE

TH-50PH10BK/BS/EK/ES
HU-BOARD TXNHU1ZFTE

13.4. H3, S1, V1 and V2-Board



13.5. DS-Board



6

5

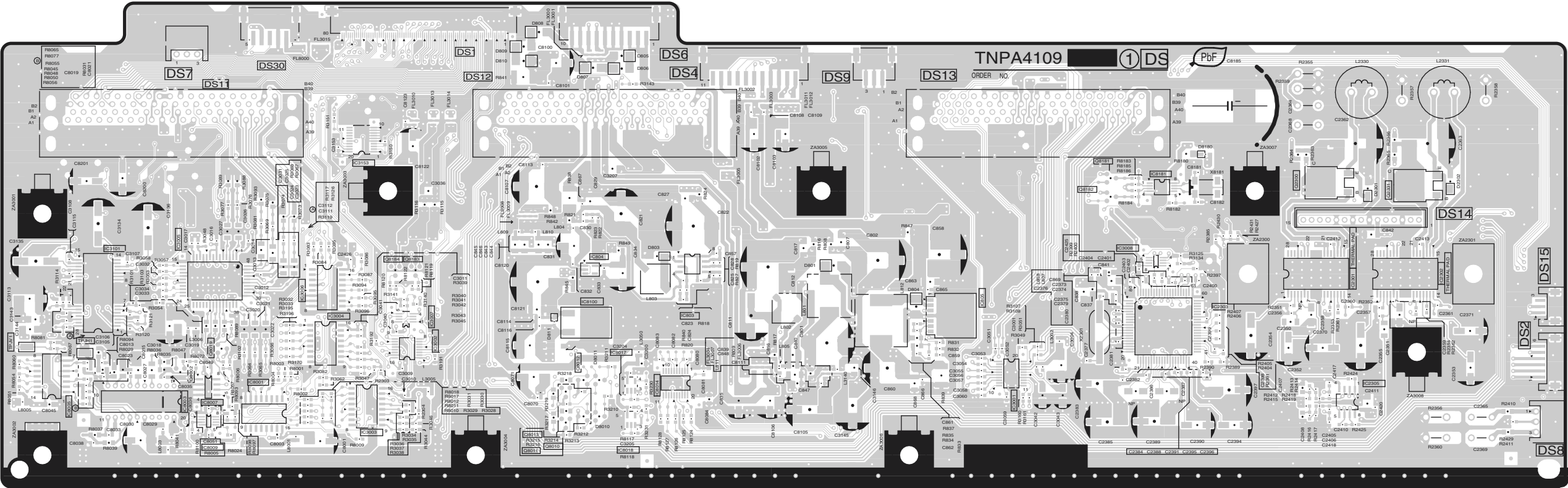
4

3

2

1

DS-BOARD (COMPONENT SIDE)
TNPA4109AC

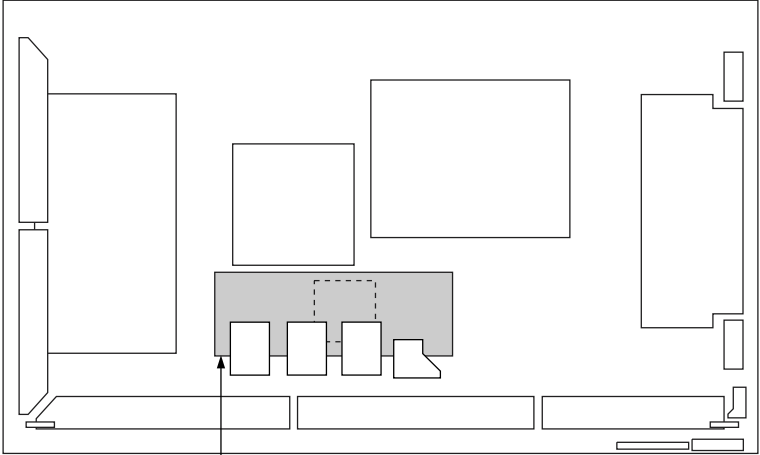


TH-50PH10BK/BS/EK/ES
DS-BOARD TNPA4109AC

TH-50PH10BK/BS/EK/ES
DS-BOARD TNPA4109AC

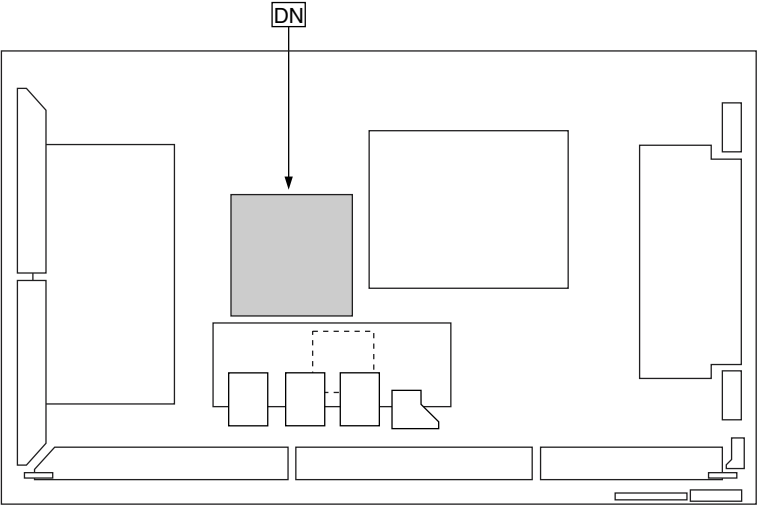
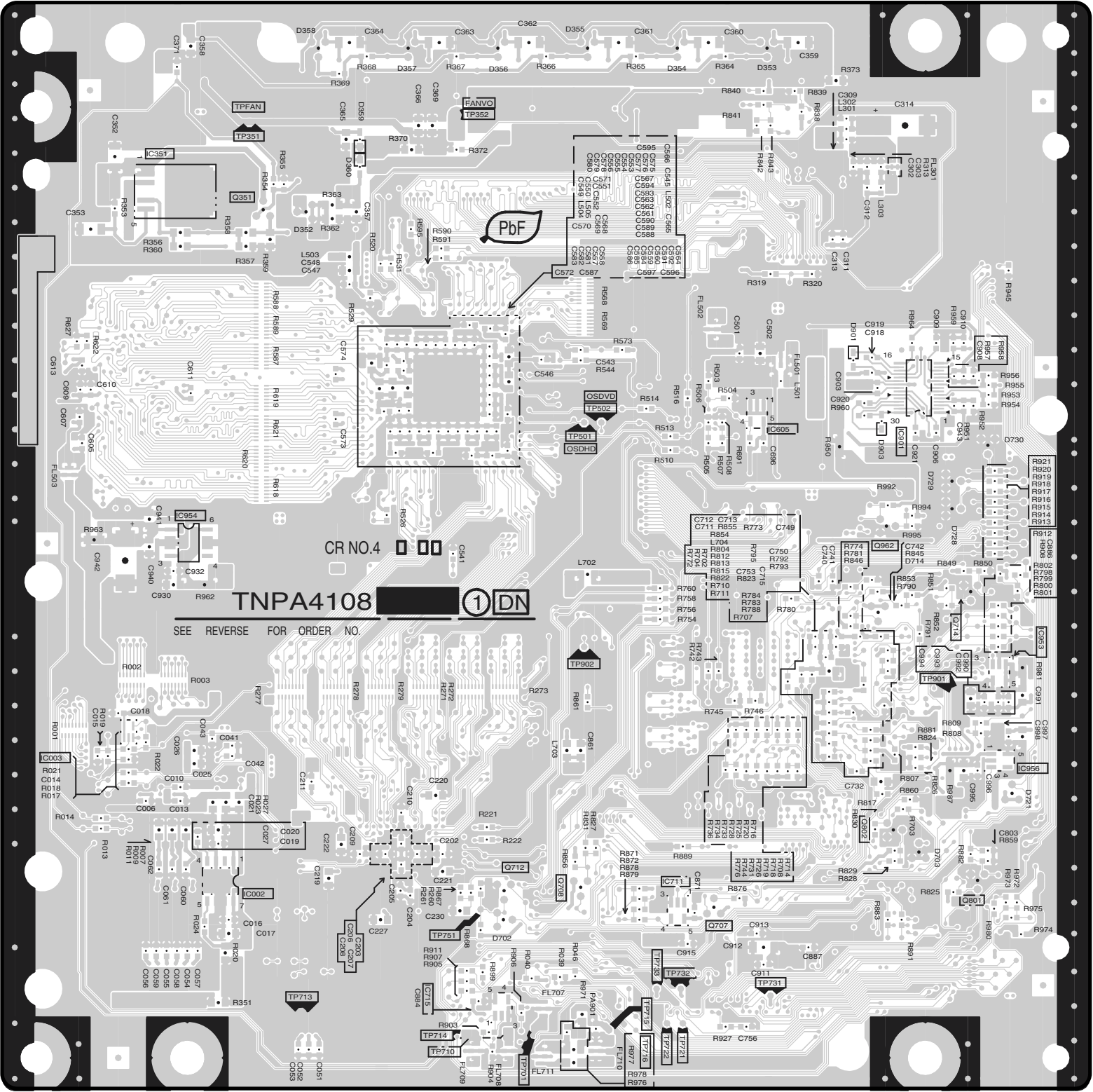
Parts Location

DS-BOARD (COMPONENT SIDE)					
IC				TRANSISTOR	
IC803	E-3	IC3008	G-3	Q2300	H-3
IC804	D-2	IC3101	A-3	Q2331	H-3
IC805	F-2	IC3153	C-3	Q8002	B-2
IC2301	H-2	IC8001	B-2	Q8010	D-2
IC2302	H-2	IC8003	B-2	Q8011	D-2
IC2303	H-2	IC8005	A-2	Q8012	D-2
IC2305	H-2	IC8007	B-2	Q8013	D-2
IC3001	F-2	IC8009	B-2	Q8019	B-2
IC3002	C-2	IC8014	D-2	Q8181	G-3
IC3003	C-2	IC8017	D-2	Q8182	G-3
IC3004	C-2	IC8018	D-2	Q8183	D-2
IC3005	B-2	IC8100	D-2	Q8184	D-2
IC3006	B-2	IC8181	G-3		
IC3007	C-2				
				TP	
				TPJH1	A-2
				TPJV1	A-2



13.6. DN-Board

DN-BOARD (FOIL SIDE)
TZTNP01XETE



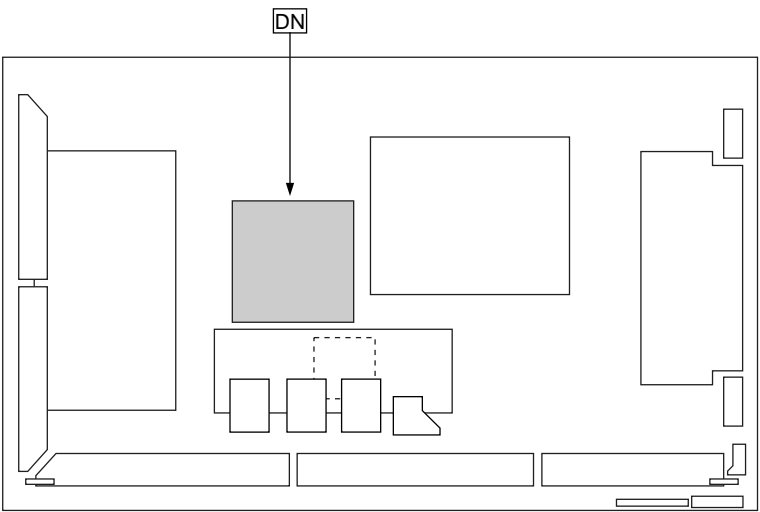
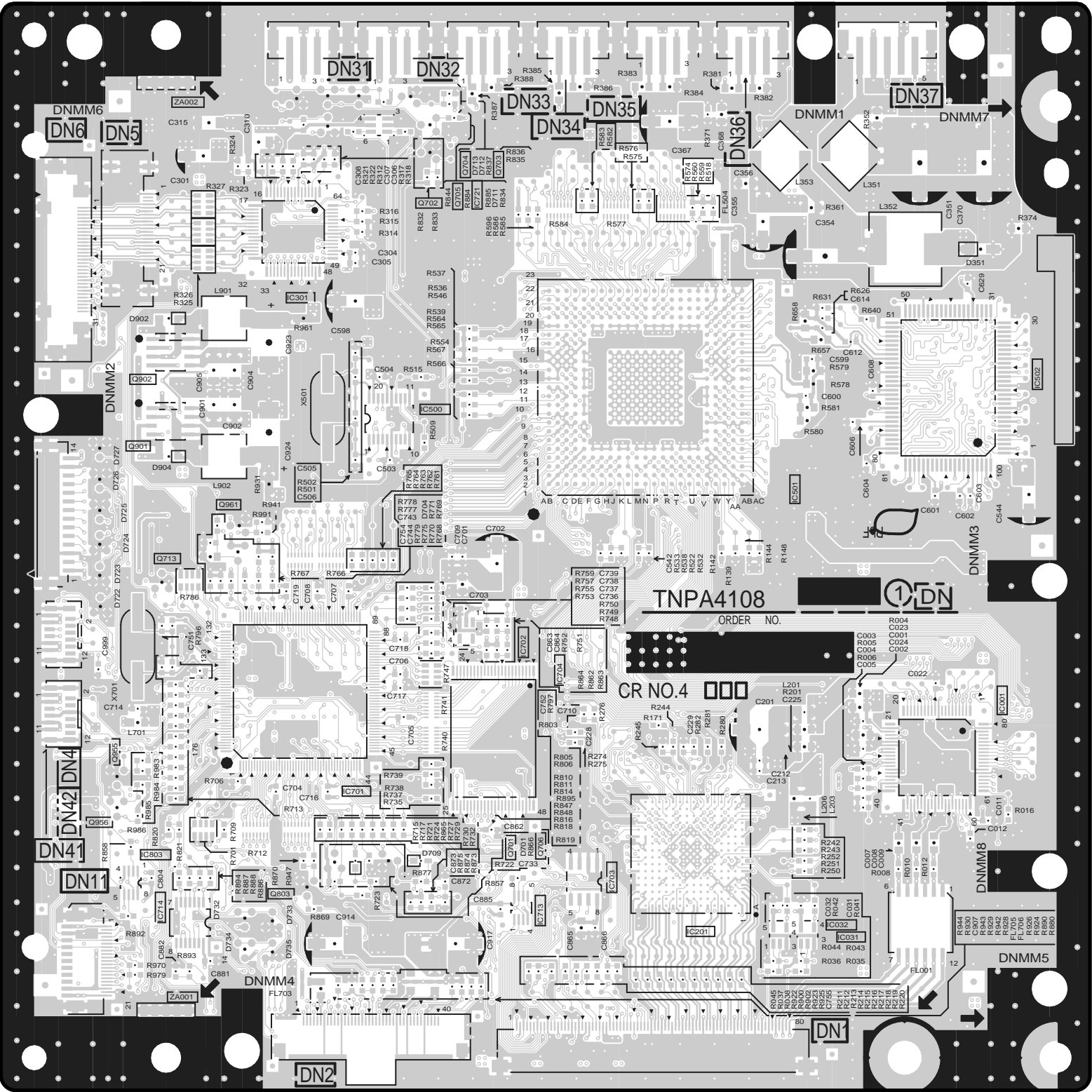
Parts Location

DN-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC4002	B-2	Q4351	B-5
IC4003	A-2	Q4707	D-2
IC4351	A-5	Q4708	C-2
IC4605	D-4	Q4712	C-2
IC4711	D-2	Q4714	E-3
IC4715	C-1	Q4801	E-2
IC4901	E-4	Q4802	E-2
IC4953	F-3	Q4962	E-3
IC4954	B-4		
IC4956	F-2		

TH-50PH10BK/BS/EK/ES
DN-BOARD TZTNP01XETE

TH-50PH10BK/BS/EK/ES
DN-BOARD TZTNP01XETE

DN-BOARD (COMPONENT SIDE)
TZTNP01XETE



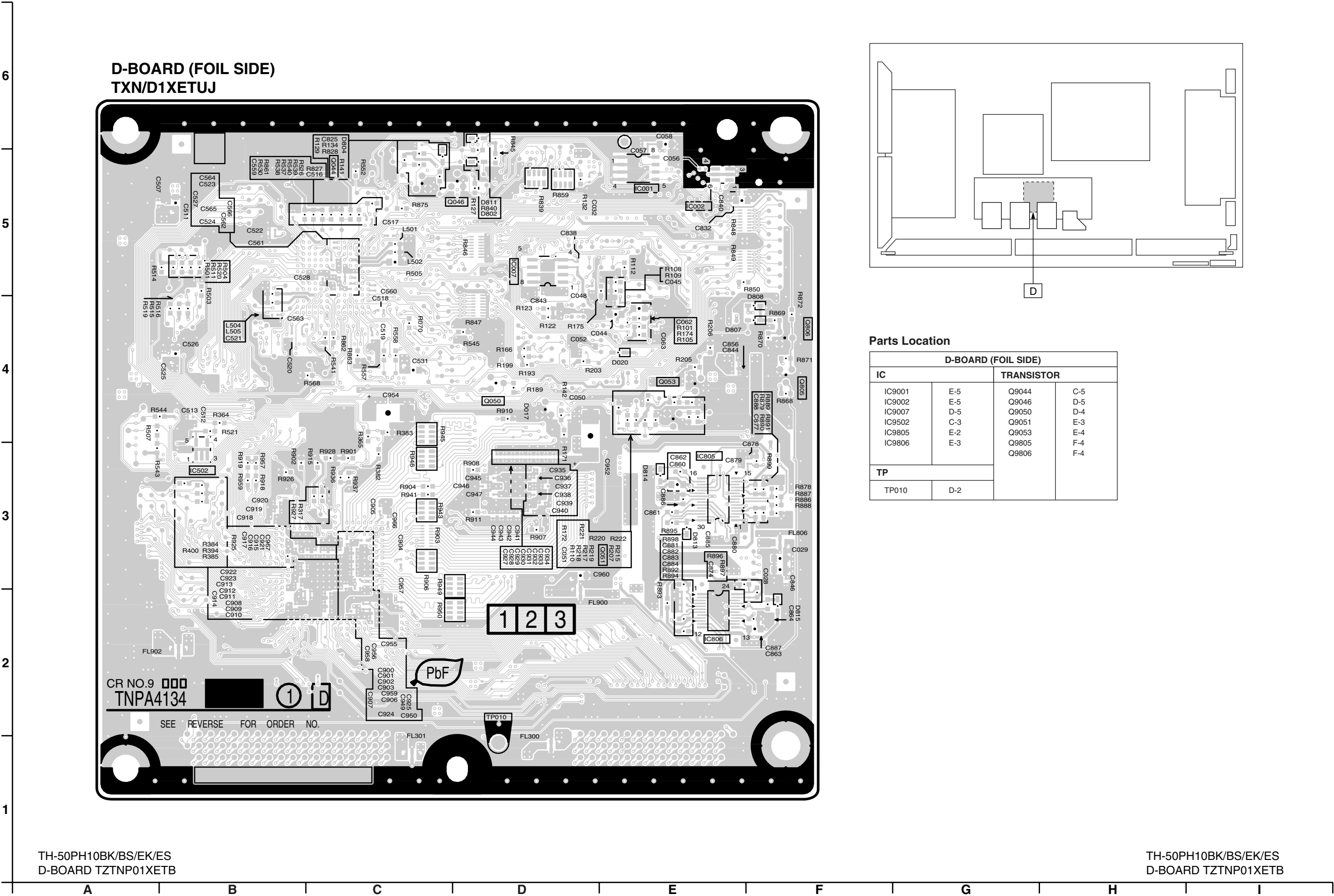
Parts Location

DN-BOARD (COMPONENT SIDE)			
IC		TRANSISTOR	
IC4001	F-3	Q4701	C-2
IC4031	E-2	Q4702	C-5
IC4032	E-2	Q4703	C-5
IC4201	D-2	Q4704	C-5
IC4301	B-5	Q4705	C-5
IC4500	C-4	Q4706	C-2
IC4501	E-4	Q4713	B-3
IC4502	F-4	Q4803	B-2
IC4701	B-2	Q4901	A-4
IC4702	C-3	Q4902	A-4
IC4703	D-2	Q4955	A-2
IC4704	C-3	Q4956	A-2
IC4713	C-2	Q4961	B-4
IC4714	A-2		
IC4721	C-5		
IC4803	A-2		

TH-50PH10BK/BS/EK/ES
DN-BOARD TZTNP01XETE

TH-50PH10BK/BS/EK/ES
DN-BOARD TZTNP01XETE

13.7. D-Board



A



C

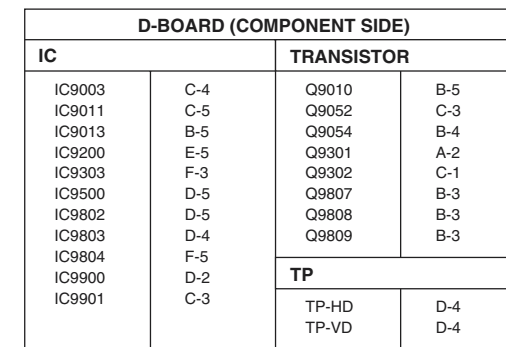
D

E

F

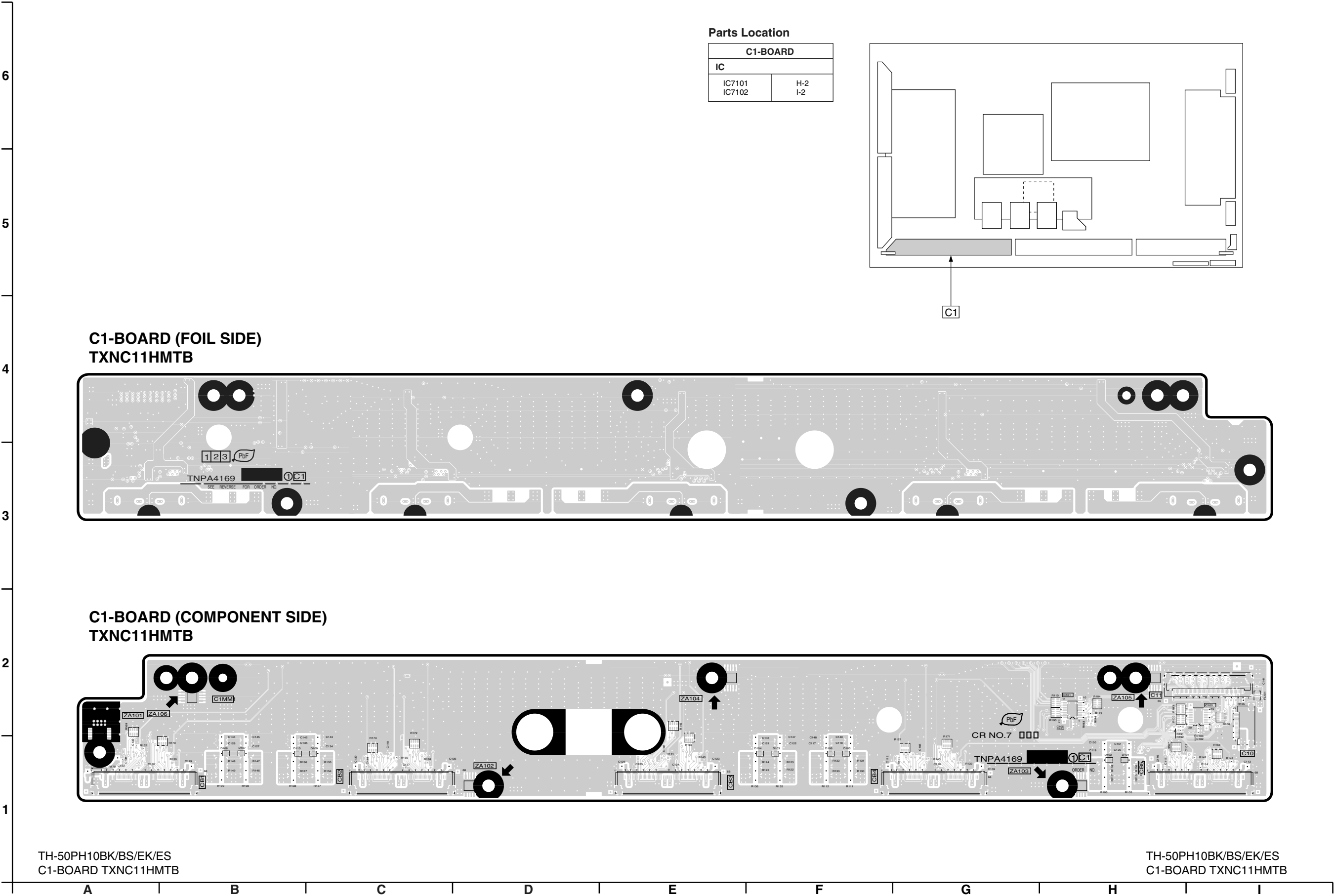
G

H



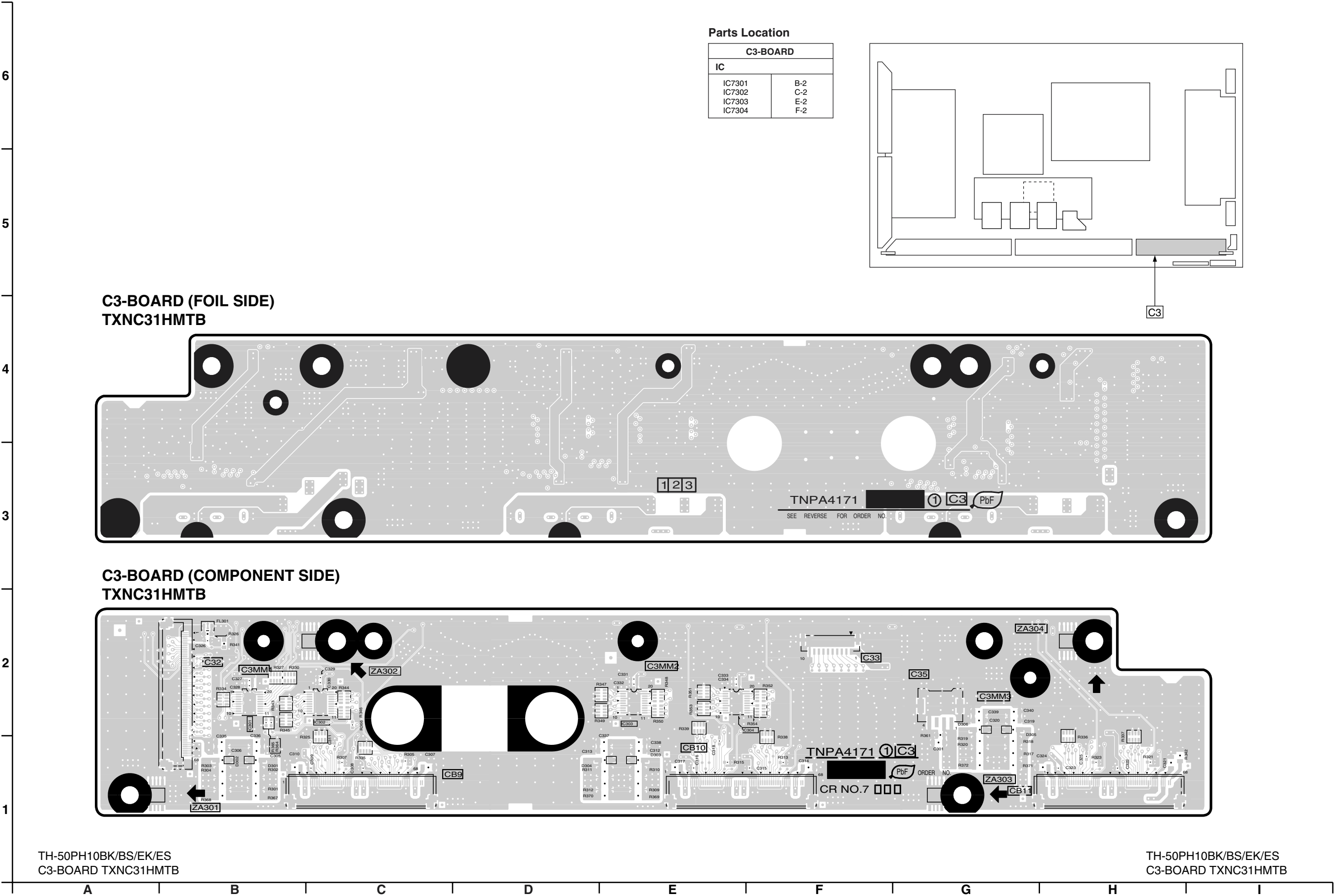
1

13.8. C1-Board

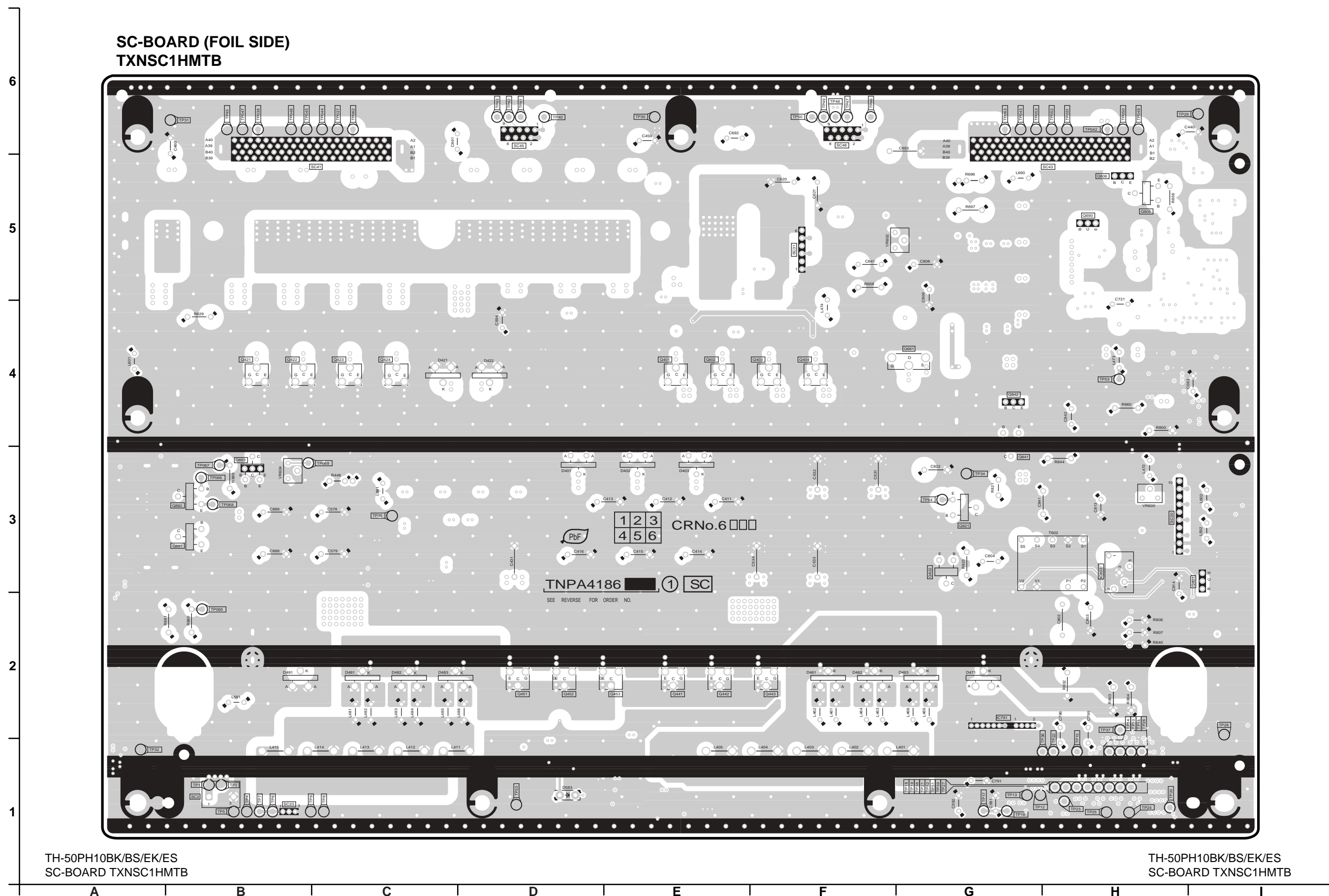


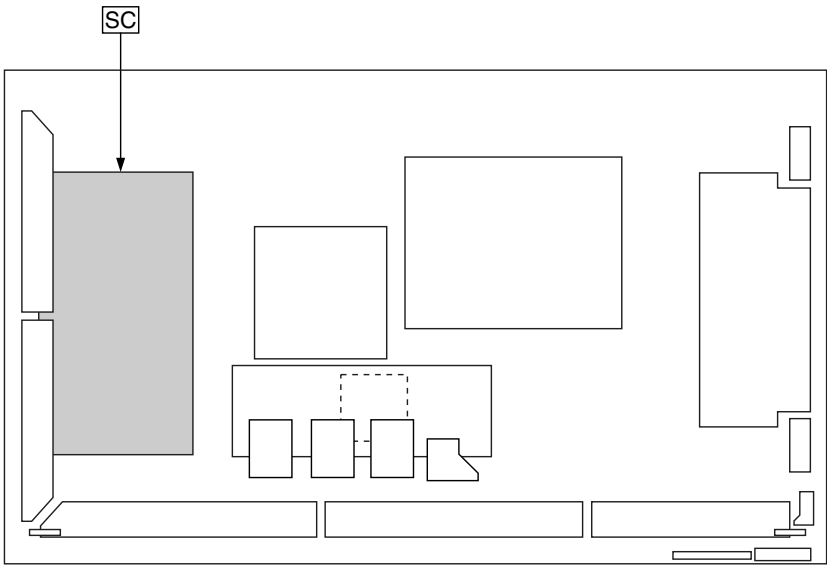
TH-50PH10BK/BS/EK/ES
C2-BOARD TXNC21HMTB

13.10. C3-Board



13.11. SC-Board





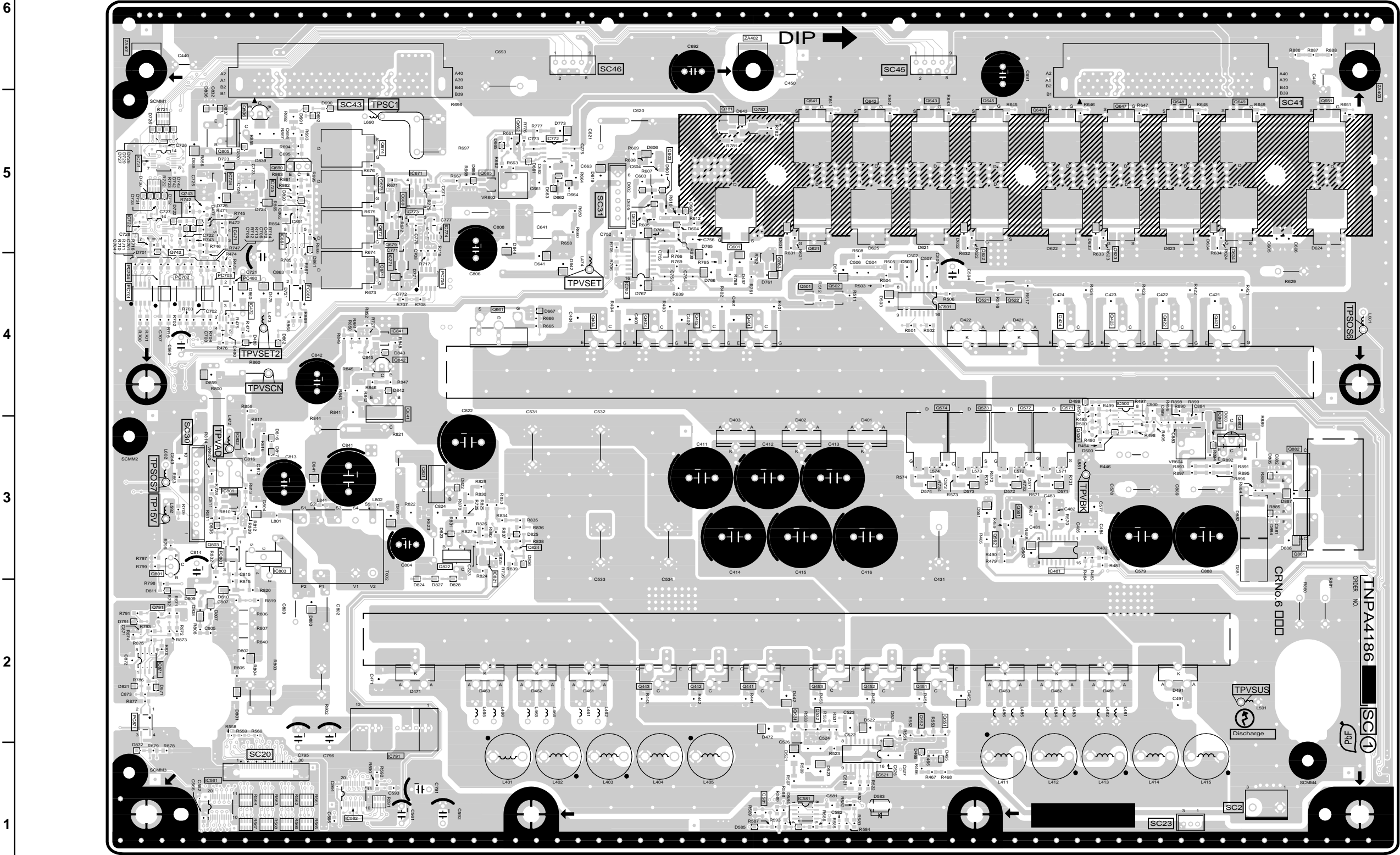
Parts Location

SC-BOARD (FOIL SIDE)					
TRANSISTOR		TP		TP41 TP42 TP43 TP45 TP46 TP47 TP48 TP49 TP50 TP51 TP52 TP53 TP64 TP036 TP037 TP042 TP043 TP044 TP045 TP046 TP047 TP049 TP050 TP051 TP052 TP053 TP062 TP063 TP065 TP066 TP067 TP068 TP069	D-6 D-6 D-6 B-6 F-6 F-6 F-6 F-6 F-6 G-1 G-1 H-4 G-3 B-6 C-6 H-6 G-6 C-6 B-6 B-6 H-6 H-6 G-6 G-6 C-6 G-6 B-2 B-3 B-3 B-3 B-3
IC6791 IC6803	G-2 H-3	TP1 TP2 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11 TP12 TP13 TP14 TP15 TP16 TP17 TP18 TP19 TP20 TP21 TP22 TP23 TP24 TP25 TP26 TP27 TP28 TP29 TP30 TP31 TP32 TP33 TP34 TP35 TP36 TP37 TP38 TP39 TP40	B-1 B-1 B-1 B-1 B-1 B-1 C-1 B-1 H-1 H-1 G-1 G-1 H-1 G-1 G-1 G-1 G-1 H-1		

Parts Location

SC-BOARD (COMPONENT SIDE)					
IC		PHOTO COUPLER		TP	
IC6471	B-5	PC6480	B-4	Q6571	G-3
IC6472	B-4	PC6701	A-4	Q6572	G-3
IC6481	G-3	PC6702	B-4	Q6573	F-3
IC6500	G-4	PC6703	B-4	Q6574	F-3
IC6501	F-4	PC6704	A-4	Q6581	E-1
IC6521	F-1	PC6705	C-4	Q6601	E-5
IC6561	B-1	PC6801	B-3	Q6602	D-5
IC6562	C-1	PC6861	B-4	Q6603	D-5
IC6581	E-1	PC6871	A-2	Q6621	E-5
IC6671	C-5	TRANSISTOR		Q6622	F-5
IC6721	A-5			Q6623	G-5
IC6722	A-5	Q6401	E-4	Q6624	H-5
IC6724	B-5	Q6402	E-4	Q6641	E-5
IC6725	B-5	Q6403	D-4	Q6642	F-5
IC6752	D-4	Q6404	D-4	Q6643	F-5
IC6771	C-4	Q6421	H-4	Q6645	F-5
IC6772	D-5	Q6422	H-4	Q6646	G-5
IC6773	C-5	Q6423	G-4	Q6647	G-5
IC6774	C-5	Q6424	G-4	Q6648	H-5
IC6791	C-1	Q6441	E-2	Q6649	H-5
IC6801	B-3	Q6442	E-2	Q6651	I-5
IC6802	B-3	Q6443	D-2	Q6661	C-4
IC6803	B-3	Q6451	F-2	Q6662	D-5
IC6821	C-3	Q6452	F-2	Q6665	C-5
IC6841	C-4	Q6453	E-2	Q6671	C-4
IC6861	B-5	Q6500	G-3	Q6672	C-5
IC6871	A-2	Q6501	E-4	Q6673	C-5
IC6881	H-4	Q6502	F-4	Q6674	C-5
		Q6521	F-4	Q6679	C-5
		Q6522	G-4	Q6680	C-5
		Q6531	E-2	Q6690	B-5
		Q6532	E-2	Q6742	A-4
		Q6551	F-2	Q6743	B-5
		Q6552	F-2	Q6763	E-4
		Q6561	G-3	Q6781	E-5
		Q6562	G-3	Q6782	E-5
				Q6791	A-2

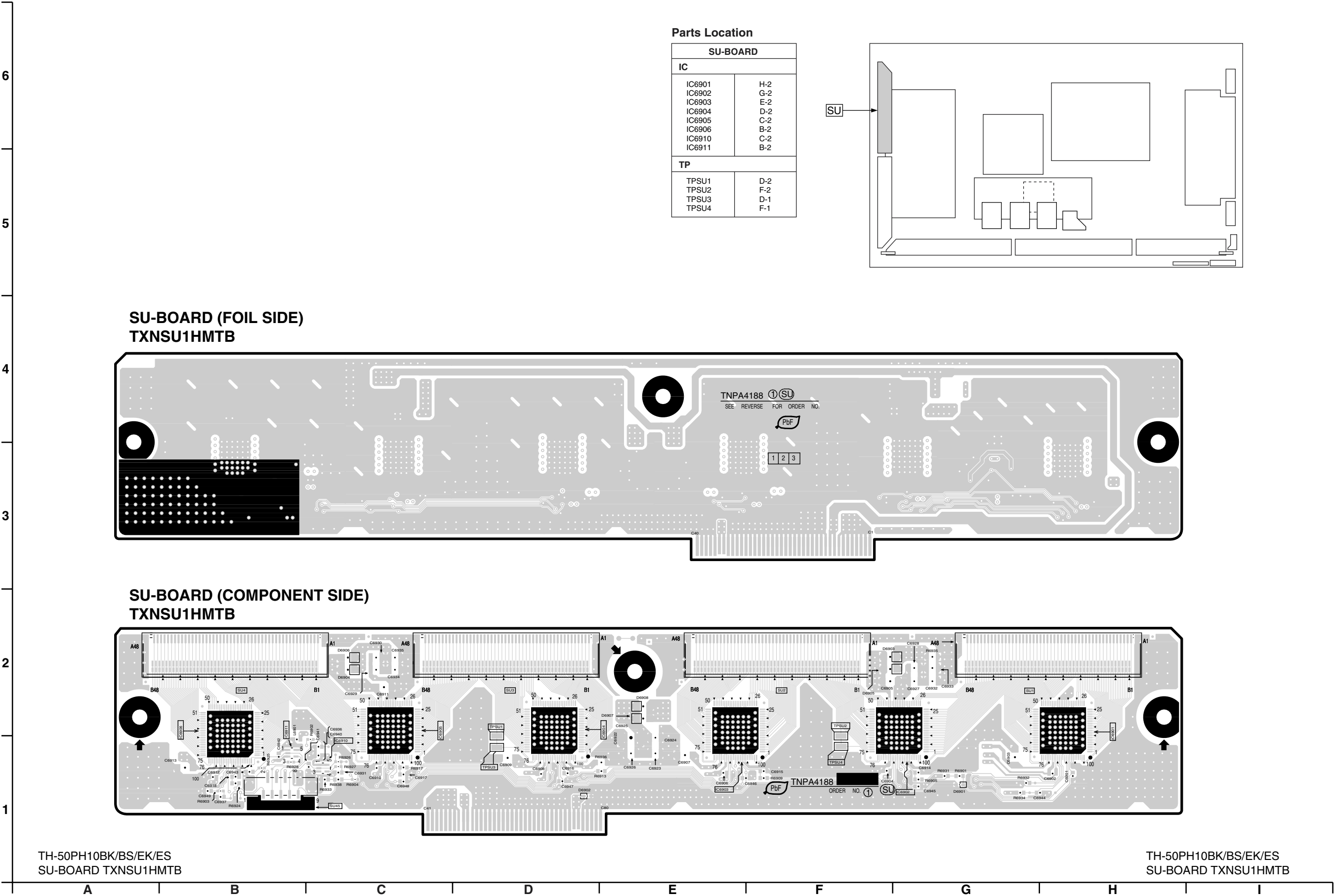
SC-BEARD (COMPONENT SIDE)
TXNSC1HMTB



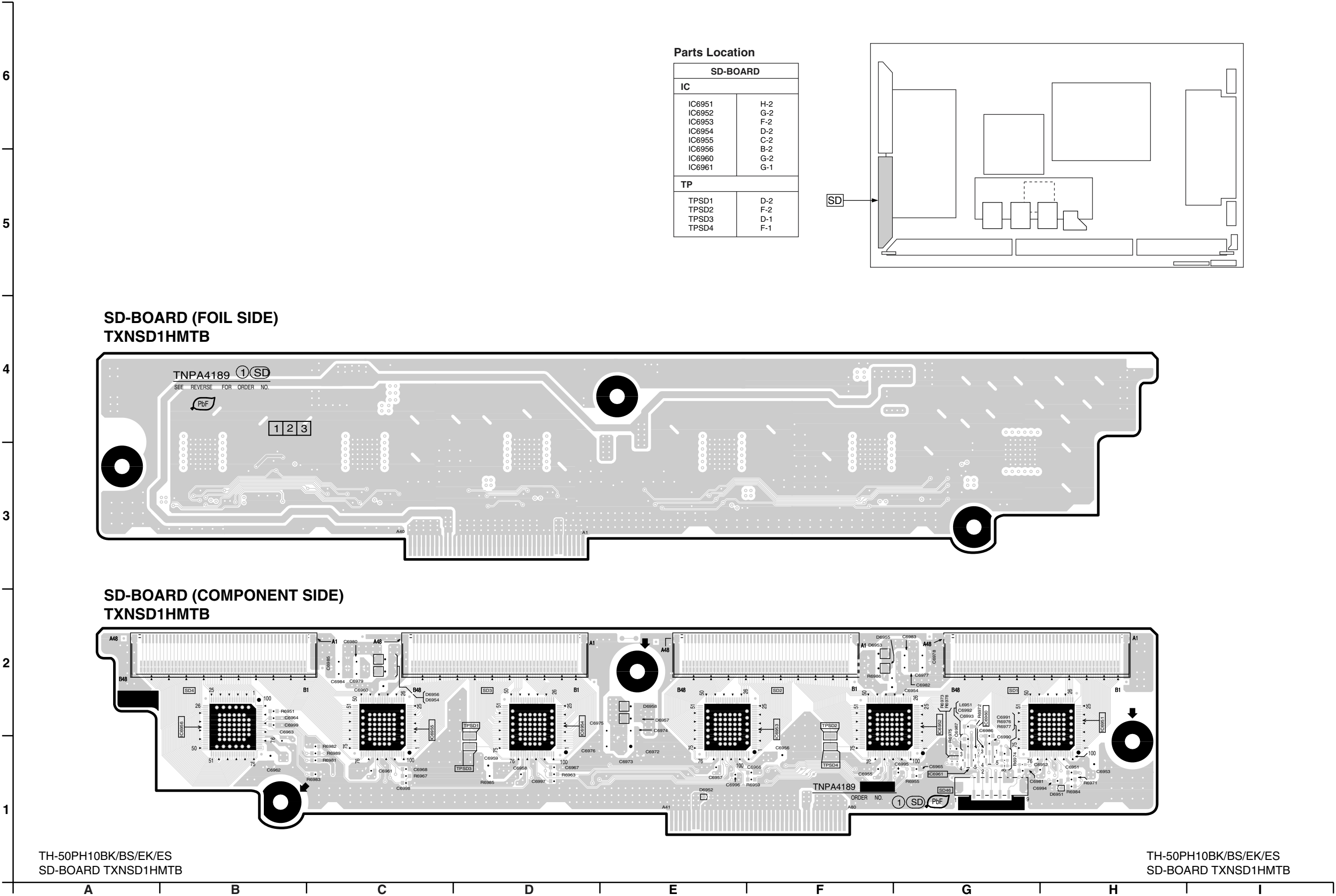
TH-50PH10BK/BS/EK/ES
SC-BEARD TXNSC1HMTB

TH-50PH10BK/BS/EK/ES
SC-BEARD TXNSC1HMTB

13.12. SU-Board



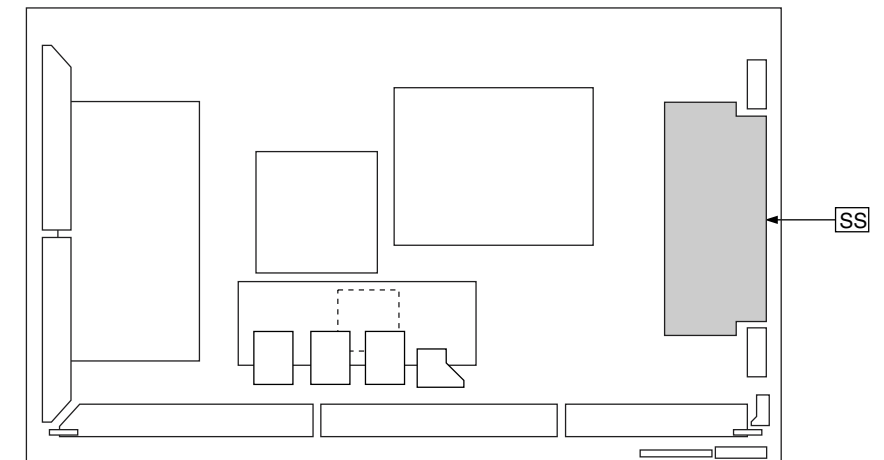
13.13. SD-Board



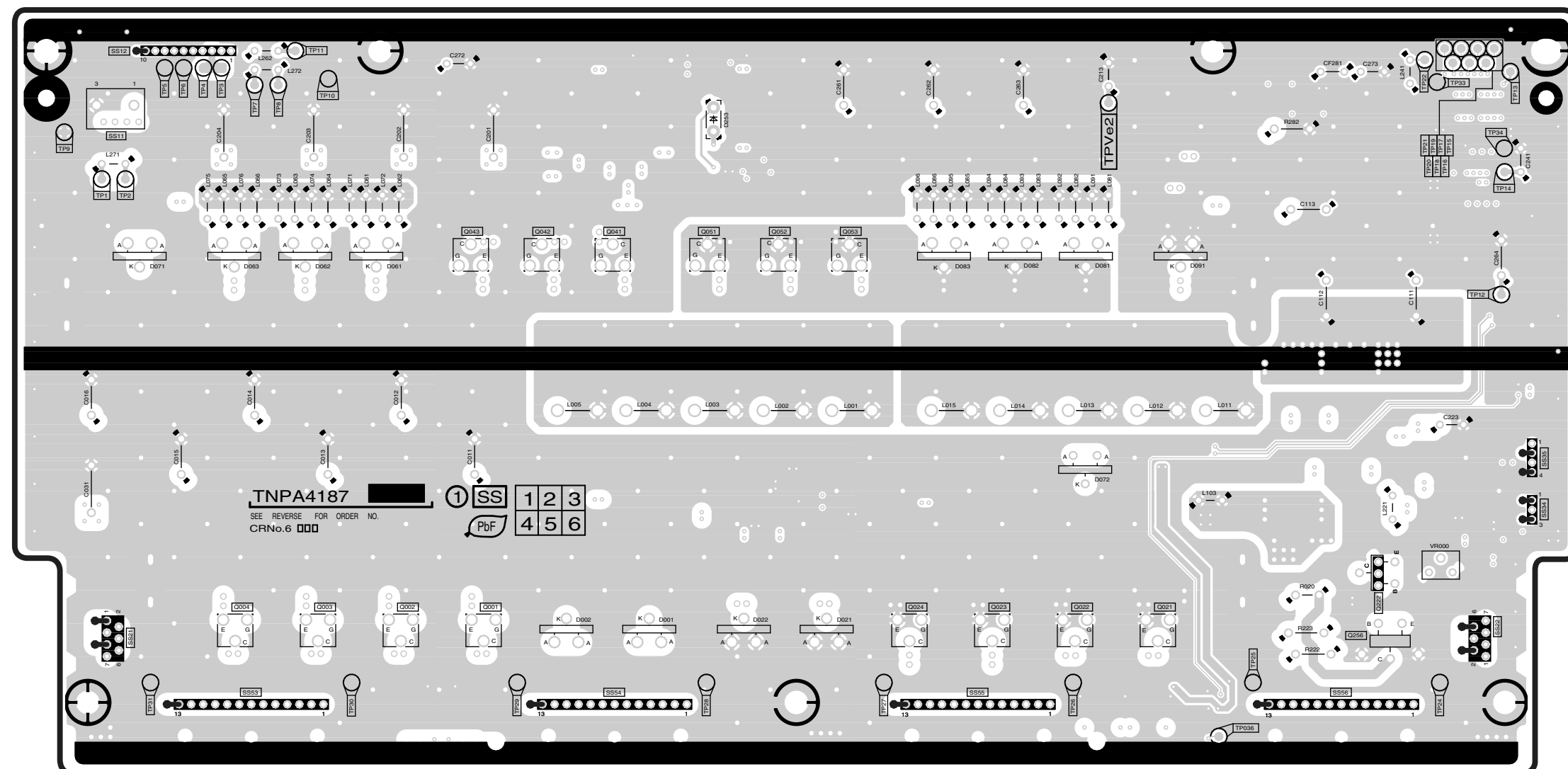
13.14. SS-Board

Parts Location

SS-BOARD (FOIL SIDE)							
TRANSISTOR		TP				VOLUME	
Q6001	C-2	TP1	B-4	TP17	H-4	VR6000	H-2
Q6002	C-2	TP2	B-4	TP18	H-4		
Q6003	C-2	TP3	B-4	TP19	H-4		
Q6004	B-2	TP4	B-4	TP20	H-4		
Q6021	G-2	TP5	B-4	TP21	H-4		
Q6022	F-2	TP6	B-4	TP22	H-4		
Q6023	F-2	TP7	B-4	TP24	H-1		
Q6024	E-2	TP8	B-4	TP25	G-1		
Q6041	D-3	TP9	A-4	TP26	F-1		
Q6042	D-3	TP10	C-4	TP27	E-1		
Q6043	C-3	TP11	C-4	TP28	D-1		
Q6051	D-3	TP12	H-3	TP29	D-1		
Q6052	E-3	TP13	H-4	TP30	C-1		
Q6053	E-3	TP14	H-4	TP31	B-1		
Q6222	H-2	TP15	H-4	TP33	H-4		
Q6256	H-1	TP16	H-4	TP34	H-4		
				TP036	G-1		
				TPVe2	F-4		



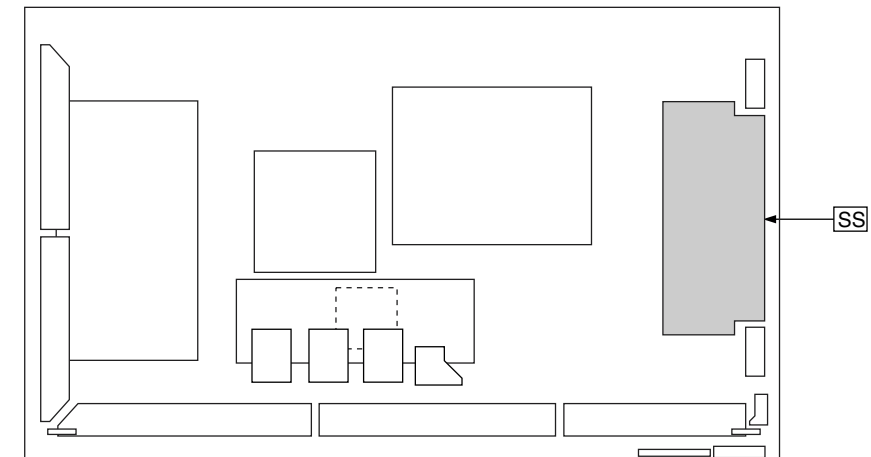
SS-BOARD (FOIL SIDE)
TXNSS1HMTB



TH-50PH10BK/BS/EK/ES
SS-BOARD TXNSS1HMTB

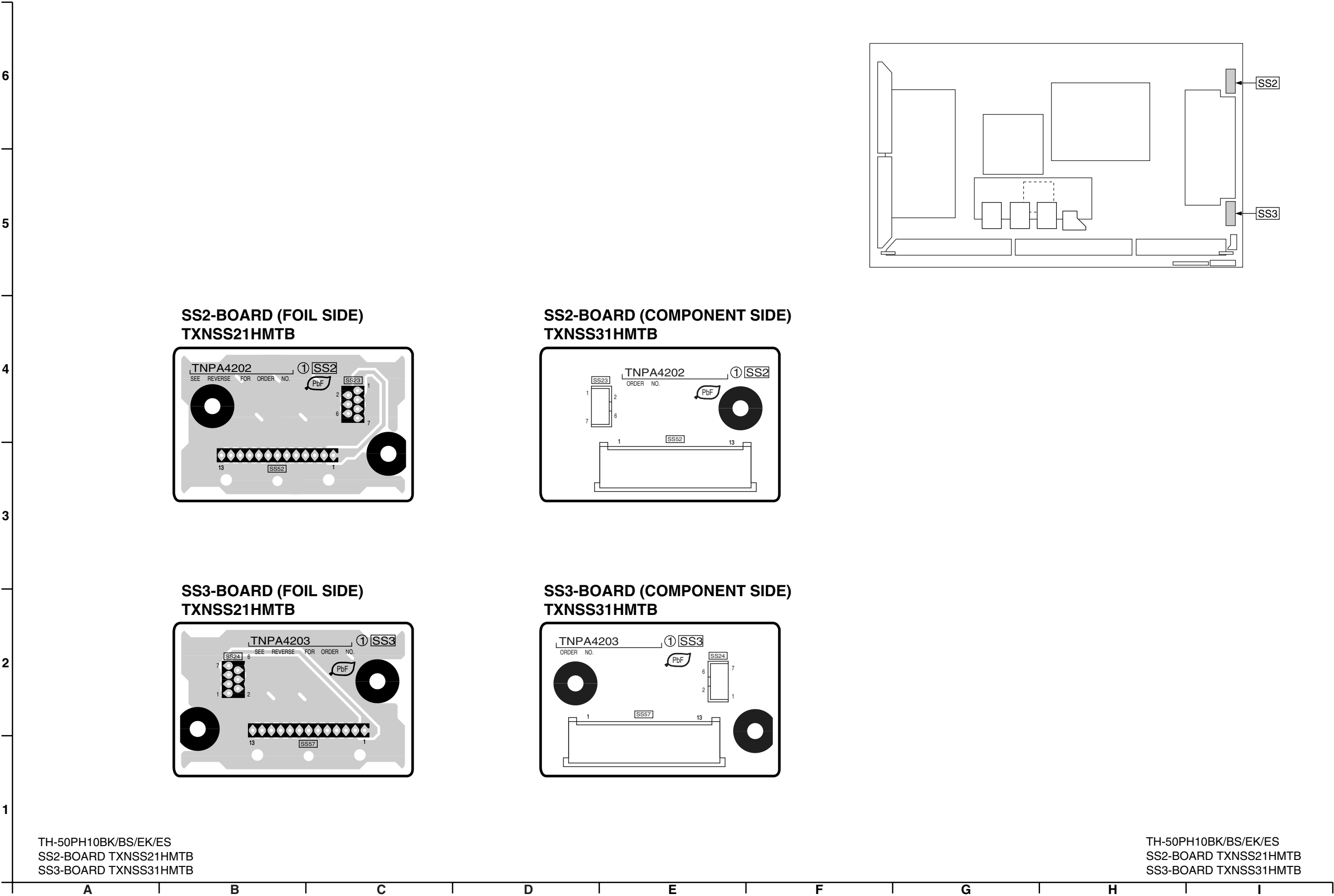
TH-50PH10BK/BS/EK/ES
SS-BOARD TXNSS1HMTB

SS-BOARD (COMPONENT SIDE)									
IC		TRANSISTOR		Q6101	B-2	Q6171	F-4	TP	
IC6131	E-2	Q6001	F-2	Q6102	B-3	Q6172	F-4	TPSOS8	B-4
IC6151	F-4	Q6002	G-2	Q6103	B-3	Q6181	F-4	TPSS1	C-2
IC6191	B-2	Q6003	G-2	Q6104	B-2	Q6222	B-2	TPVDA	G-4
IC6211	B-4	Q6004	G-2	Q6105	C-2	Q6251	E-4	TPV6	B-2
IC6221	B-2	Q6021	C-2	Q6106	C-2	Q6256	B-1	TPVSUS	H-4
IC6241	B-4	Q6022	C-2	Q6111	C-4	Q6271	C-1		
IC6251	E-4	Q6023	D-2	Q6112	B-4	Q6281	C-4		
IC6281	B-4	Q6024	D-2	Q6113	C-4	Q6282	C-4		
		Q6031	F-4	Q6114	B-3			VOLUME	
		Q6041	F-3	Q6115	A-2			VR6000	B-2
		Q6042	F-3	Q6141	F-2				
		Q6043	F-3	Q6142	F-2				
		Q6051	E-3	Q6146	D-2				
		Q6052	E-3	Q6147	E-2				
		Q6053	E-3						



TH-50PH10BK/BS/EK/ES
SS-BOARD TXNSS1HMTB

13.15. SS2 and SS3-Board



NOTE

[illegible]







14 Schematic and Block Diagram

14.1. Schematic Diagram Notes

Important Safety Notice

Components identified by \triangle mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

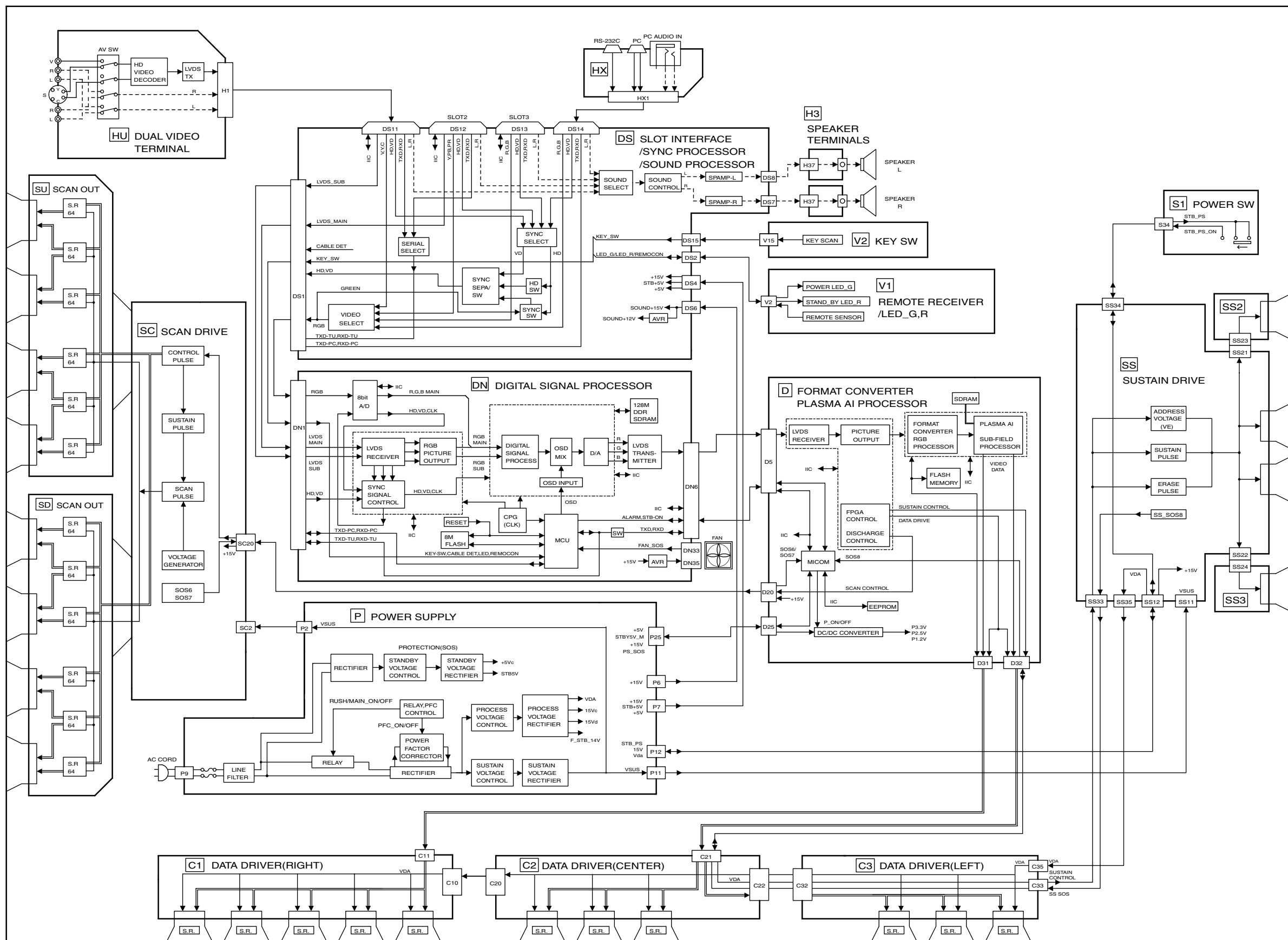
Notes:

- 1. **Resistor**
Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
- 2. **Capacitor**
Unit of capacitance is μ F, unless otherwise noted.
- 3. Coil
Unit of inductance is H, unless otherwise noted.
- 4. Test Point
 : Test Point position
- 5. Earth Symbol
 : Chassis Earth (Cold)  : Line Earth (Hot)
- 6. Voltage Measurement
Voltage is measured by a DC voltmeter.
Conditions of the measurement are the following:
Power Source AC220-240V, 50/60Hz
Receiving Signal Colour Bar signal (RF)
All customer's controls Maximum positions
- 7. When arrow mark () is found, connection is easily found from the direction of arrow.
- 8. Indicates the major signal flow. : Video  Audio 
- 9. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks:

- 1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.
All circuits, except the Power Circuit, are cold.
Precautions
 - a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
 - b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
 - c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
Connect the earth of instruments to the earth connection of the circuit being measured.
 - d. Make sure to disconnect the power plug before removing the chassis.

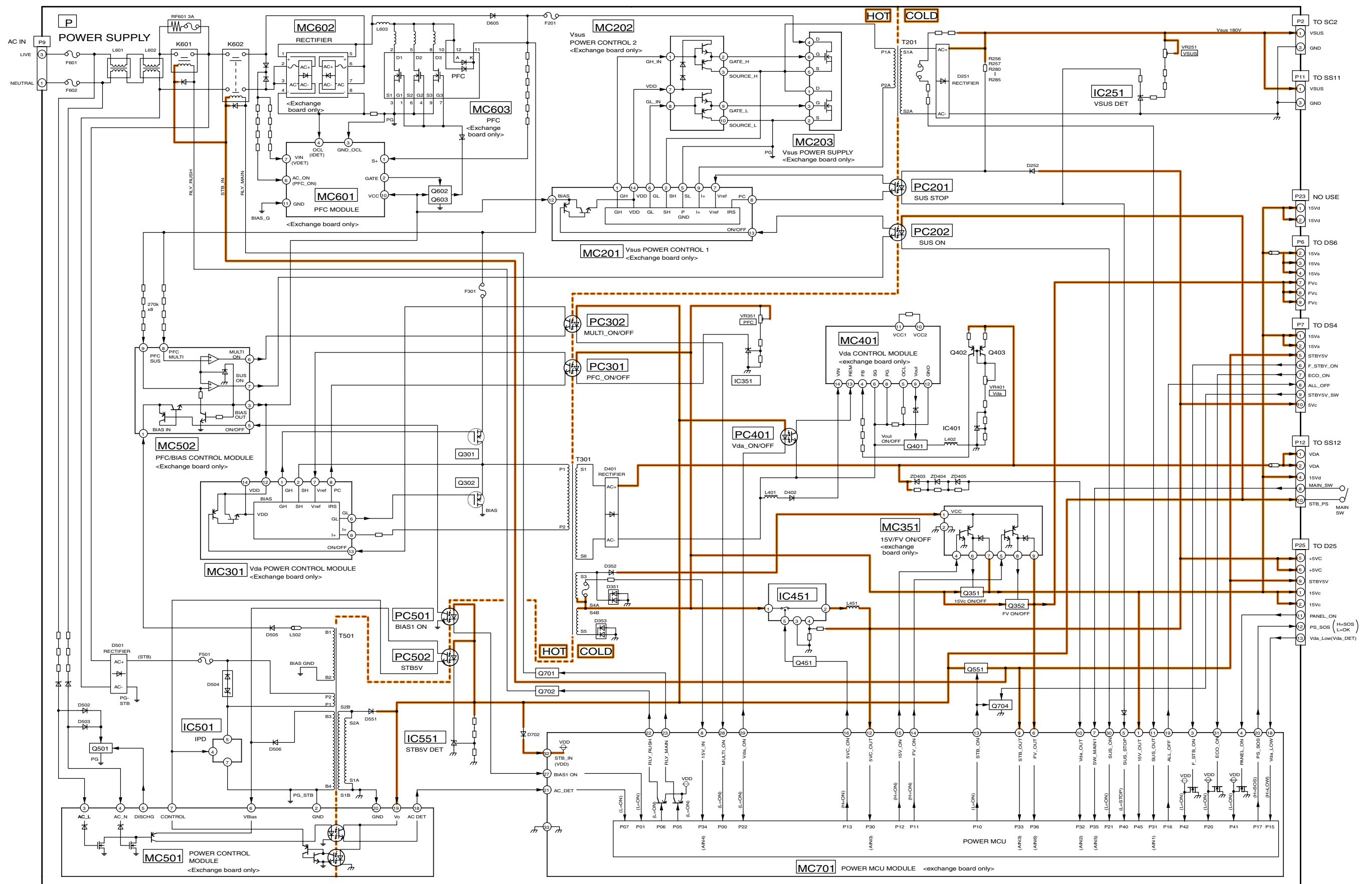
14.2. Main Block Diagram



TH-50PH10BK/BS/EK/ES Main Block Diagram

TH-50PH10BK/BS/EK/ES Main Block Diagram

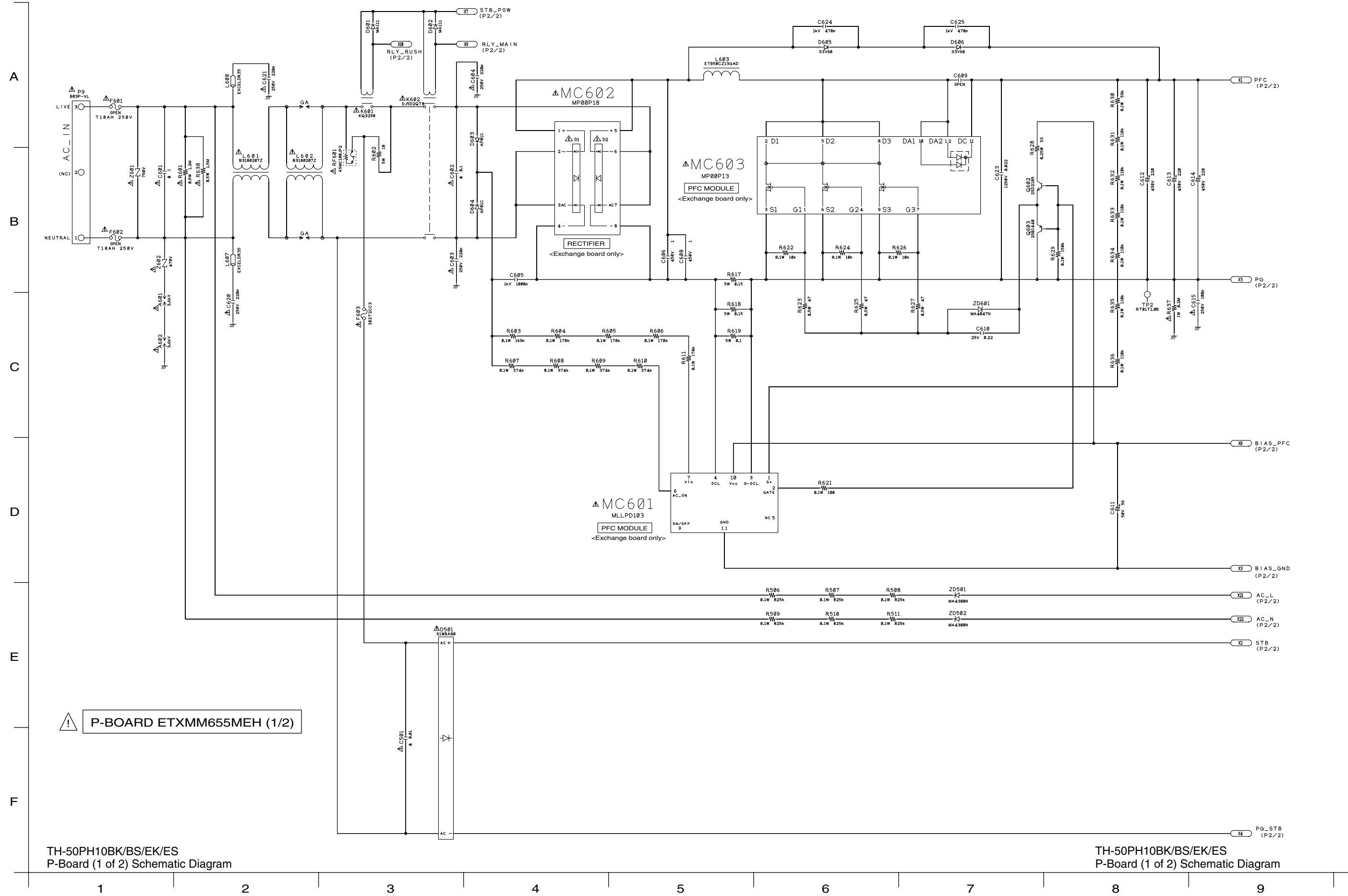
14.3. P-Board Block Diagram



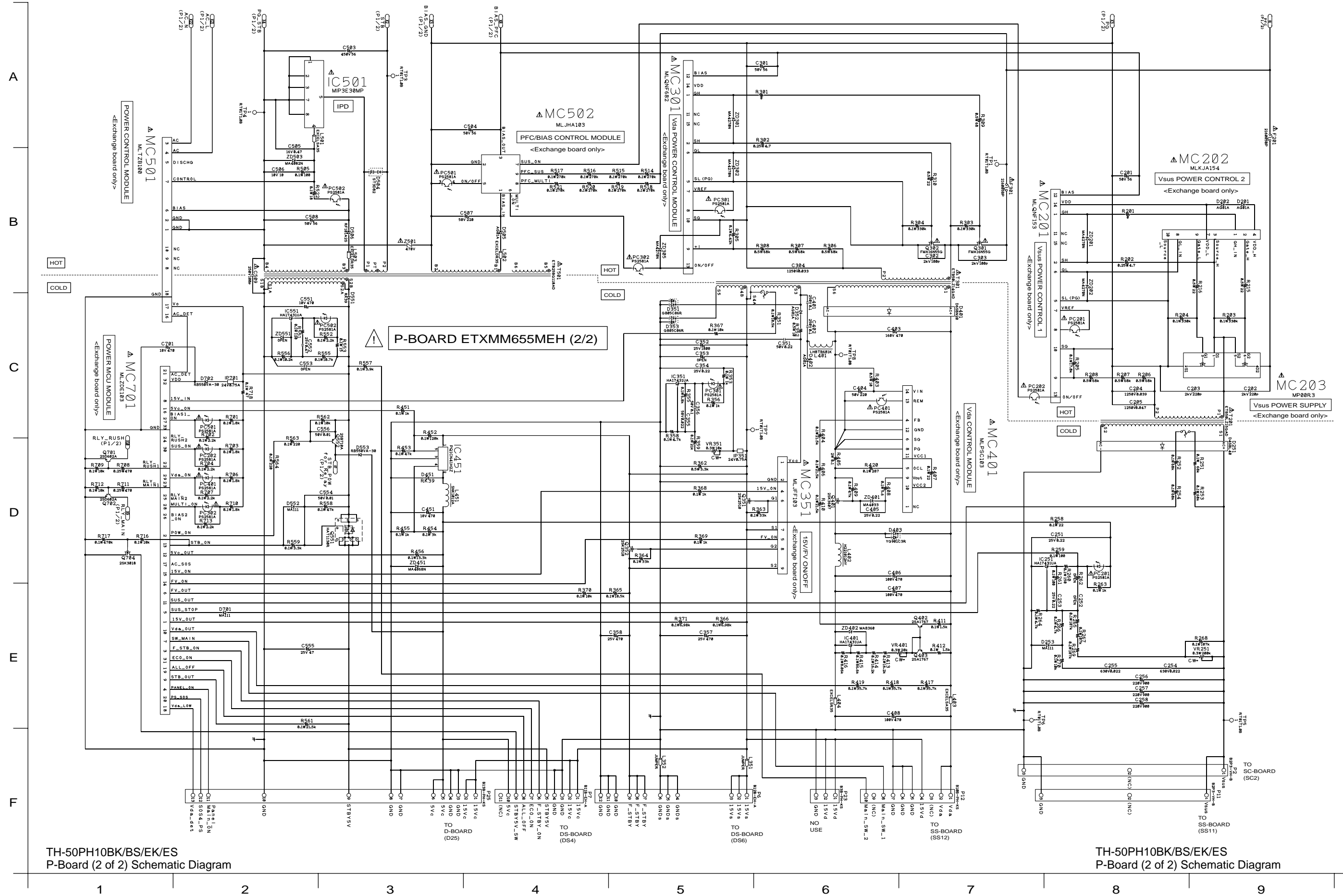
TH-50PH10BK/BS/EK/ES P-Board Block Diagram

TH-50PH10BK/BS/EK/ES P-Board Block Diagram

14.4. P-Board (1 of 2) Schematic Diagram



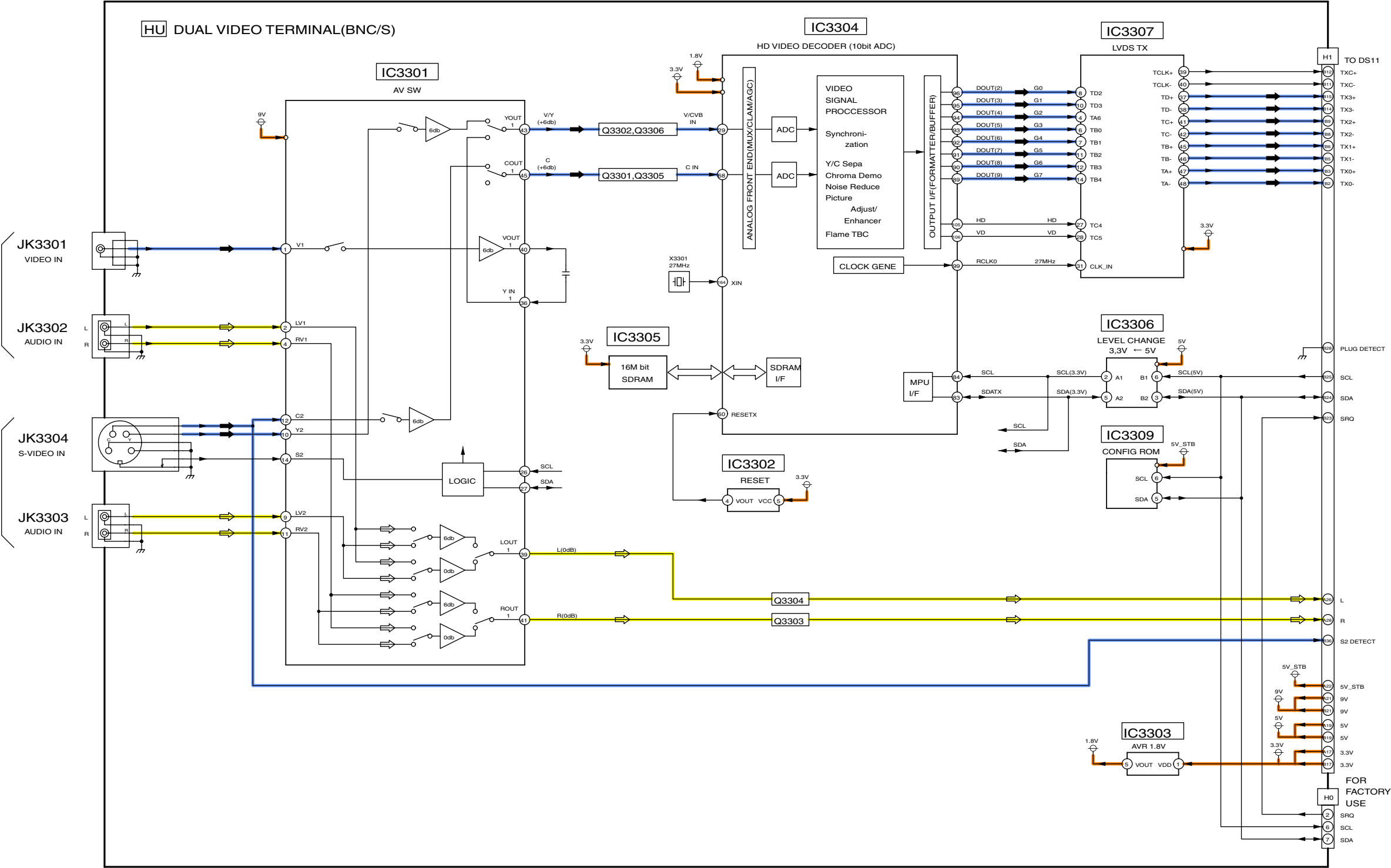
14.5. P-Board (2 of 2) Schematic Diagram



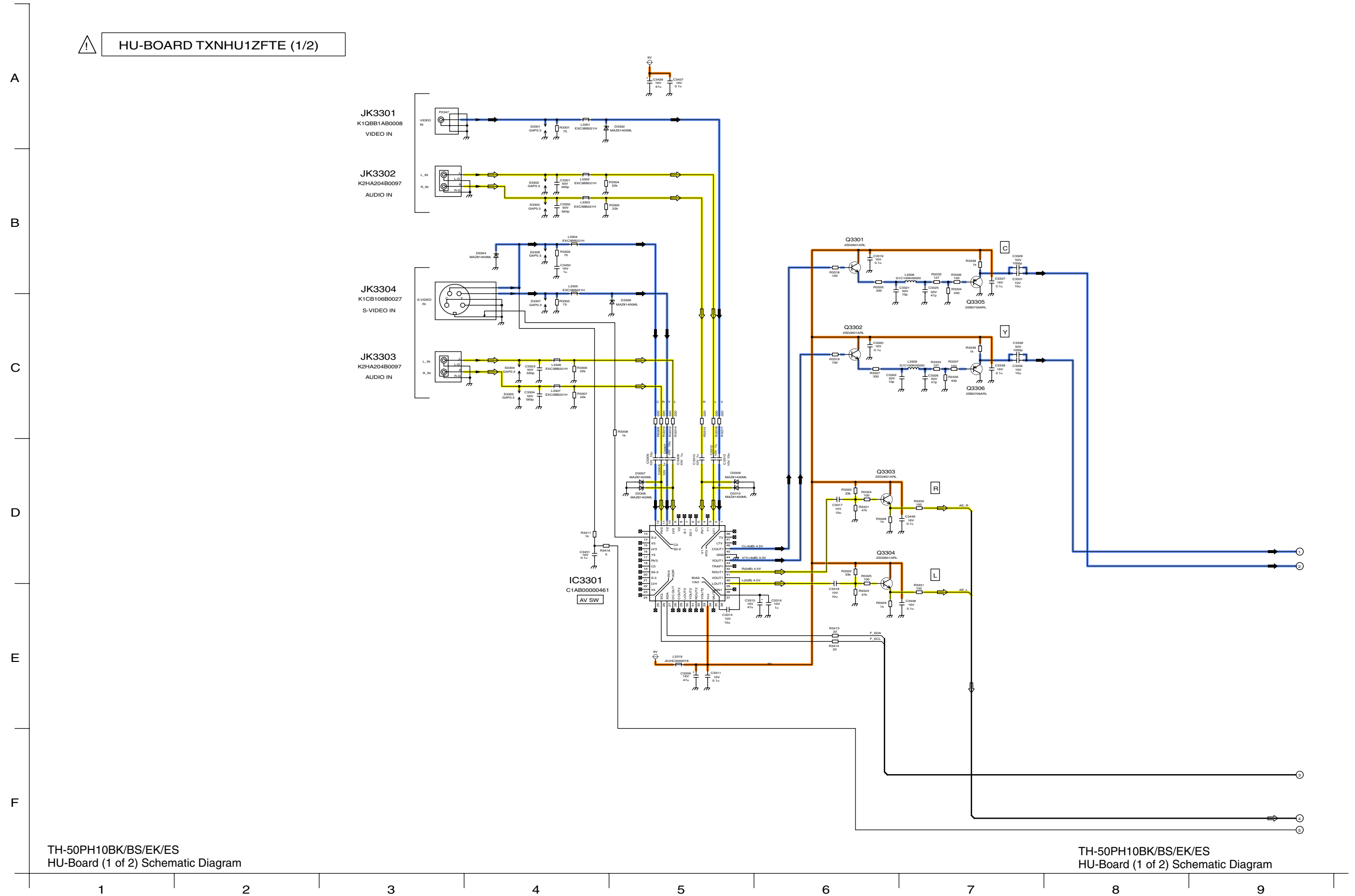
TH-50PH10BK/BS/EK/ES
P-Board (2 of 2) Schematic Diagram

TH-50PH10BK/BS/EK/ES
P-Board (2 of 2) Schematic Diagram

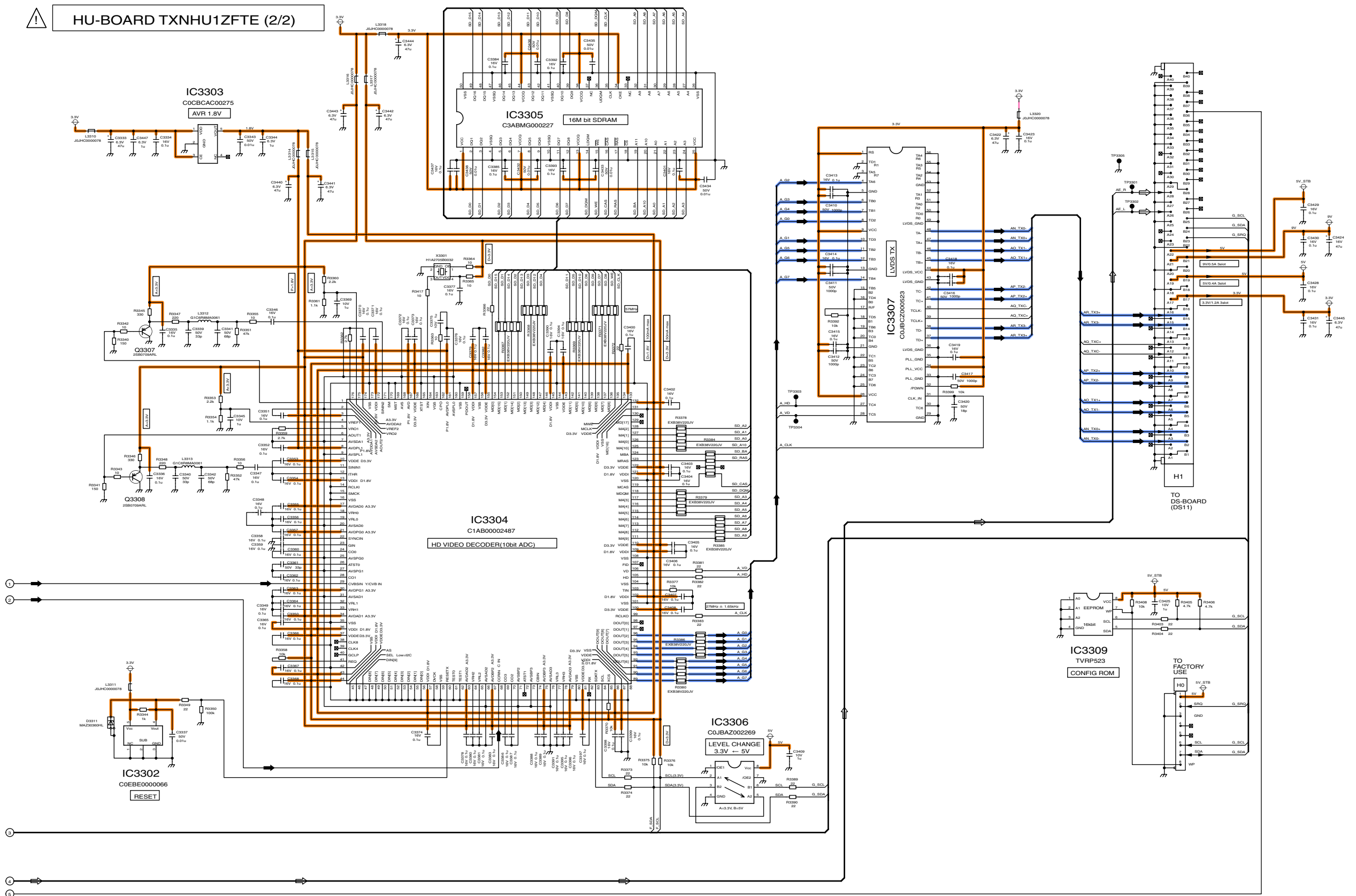
14.6. HU-Board Block Diagram



14.7. HU-Board (1 of 2) Schematic Diagram



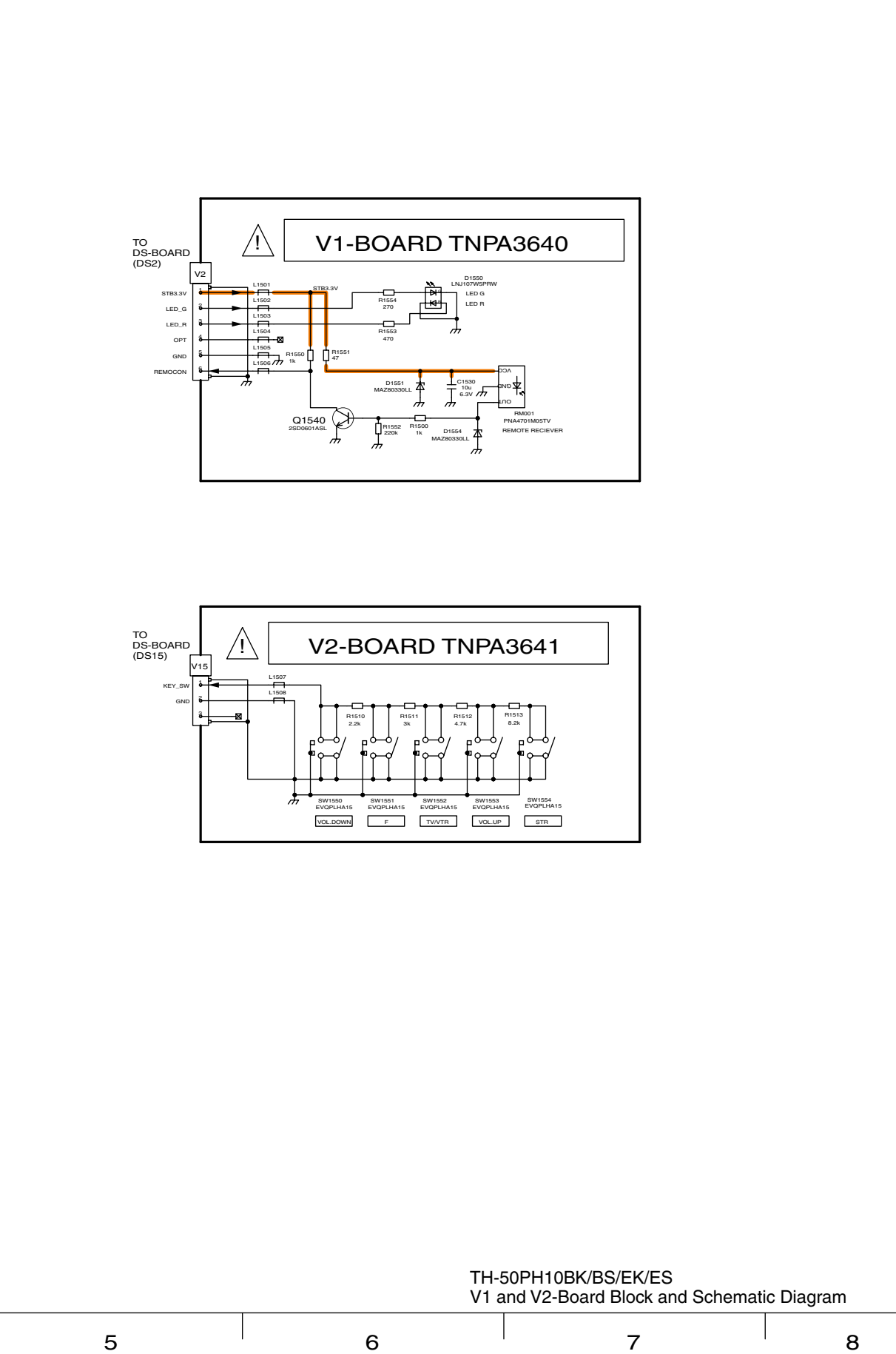
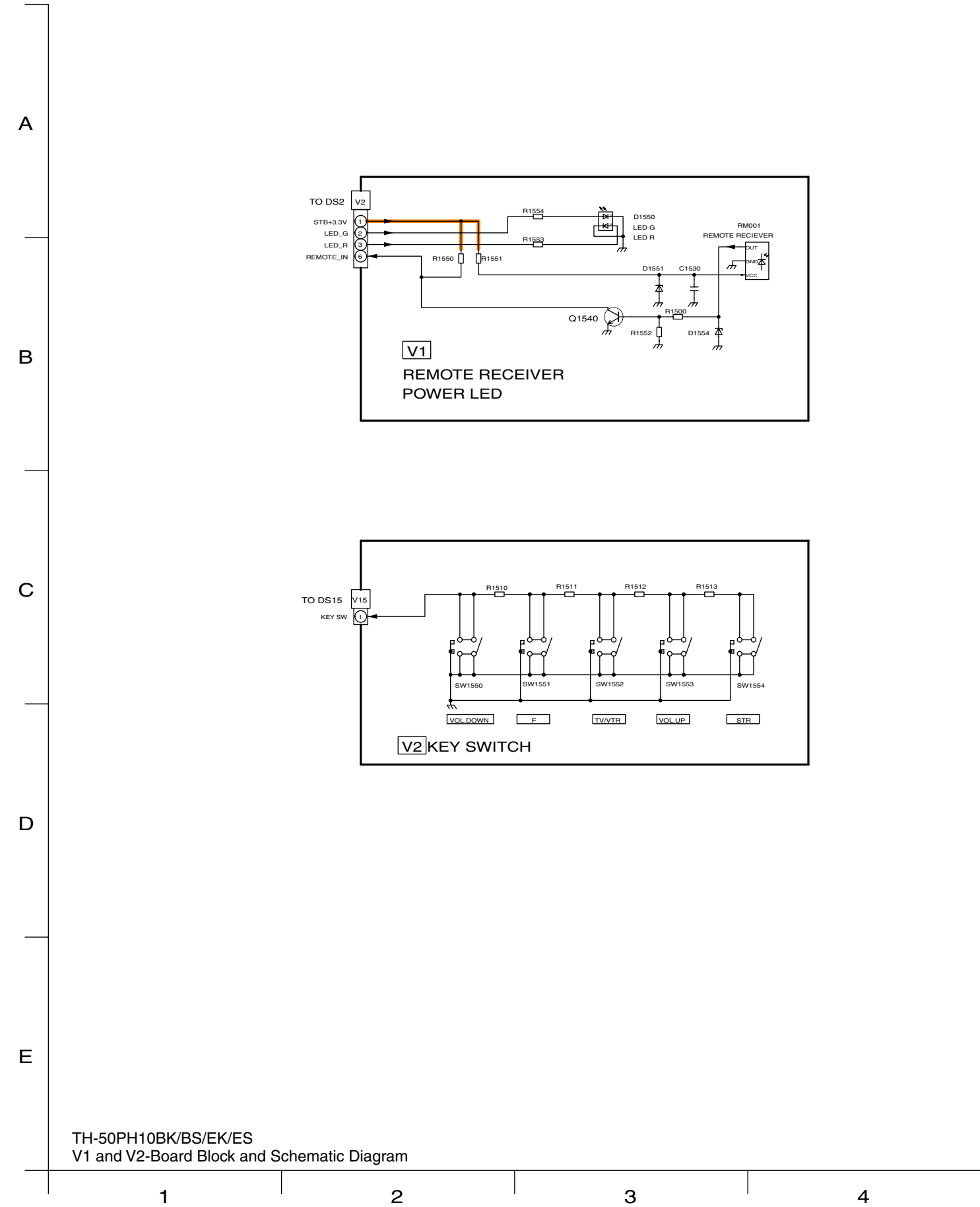
14.8. HU-Board (2 of 2) Schematic Diagram



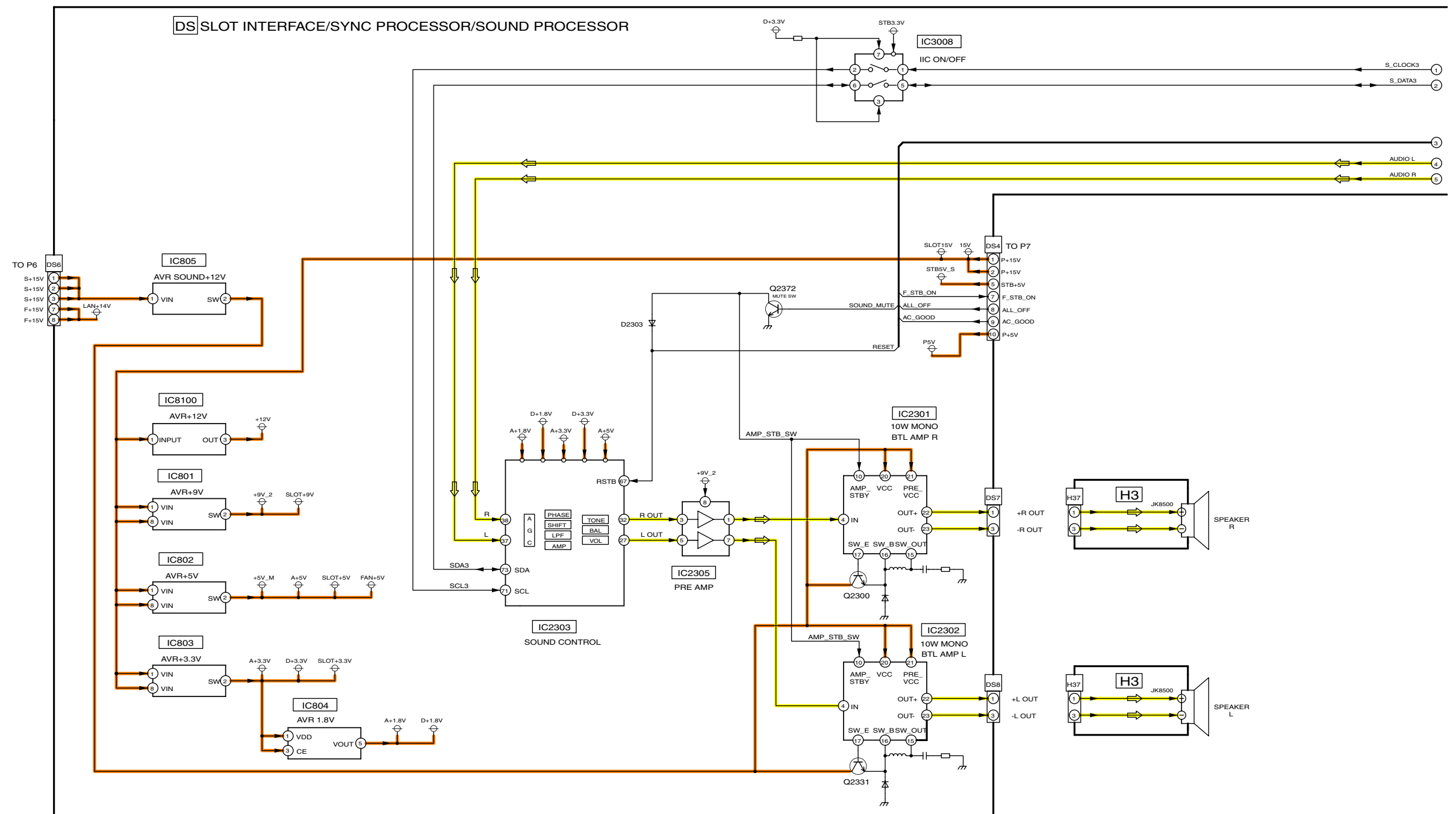
TH-50PH10BK/BS/EK/ES
HU-Board (2 of 2) Schematic Diagram

TH-50PH10BK/BS/EK/ES
HU-Board (2 of 2) Schematic Diagram

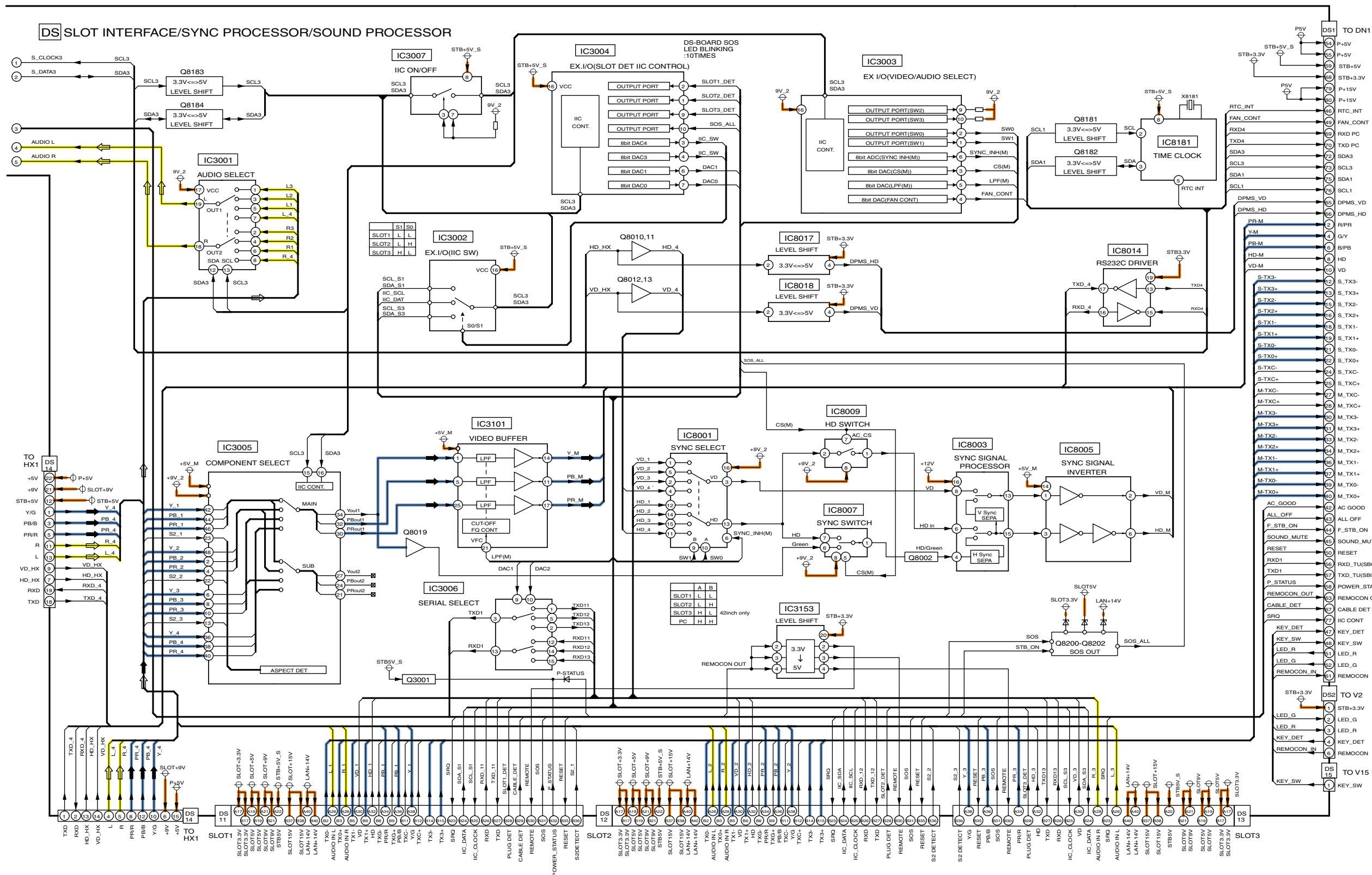
14.10. V1 and V2-Board Block and Schematic Diagram



14.11. DS-Board (1 of 2) Block Diagram



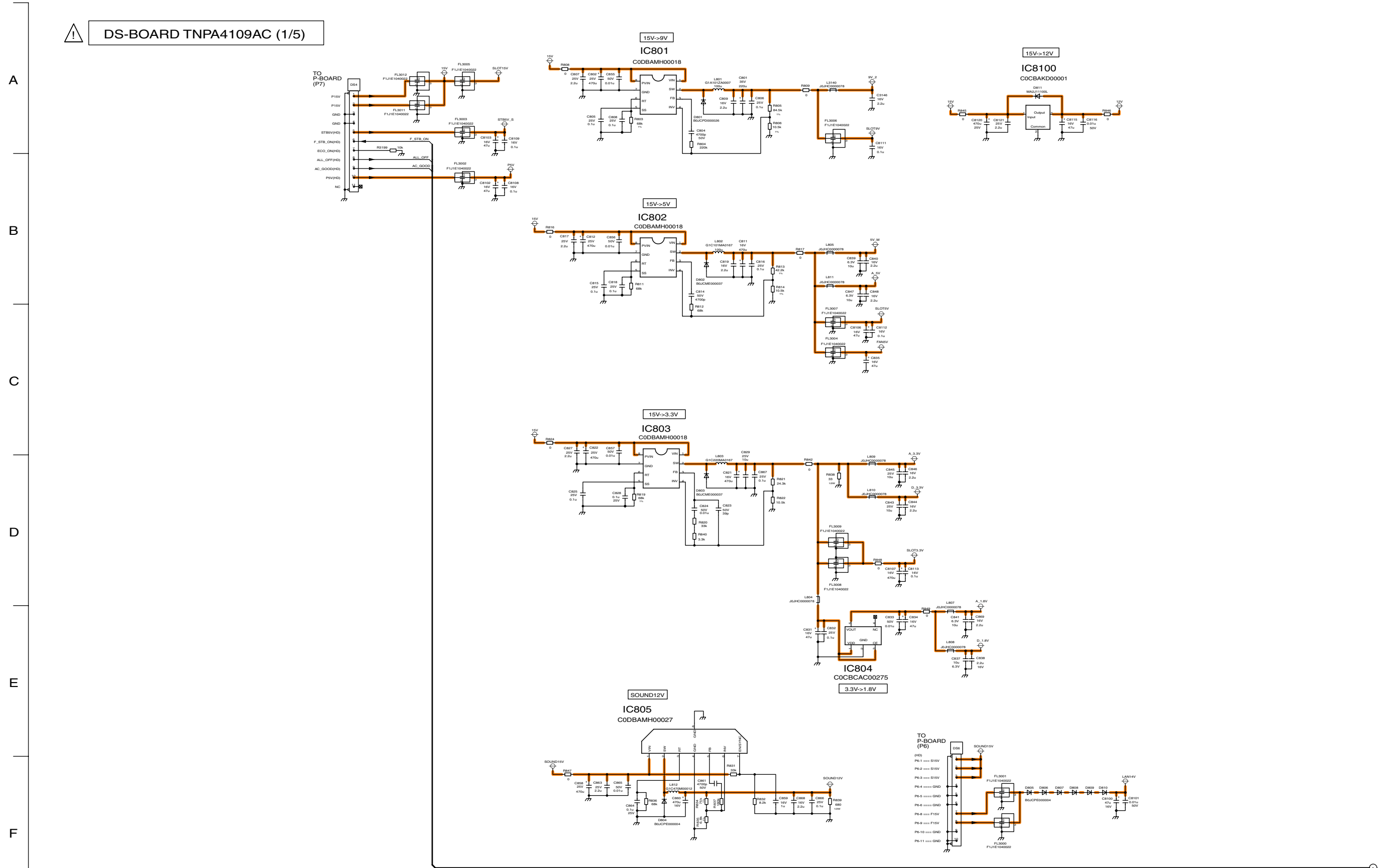
14.12. DS-Board (2 of 2) Block Diagram



TH-50PH10BK/BS/EK/ES
DS-Board (2 of 2) Block Diagram

TH-50PH10BK/BS/EK/ES
DS-Board (2 of 2) Block Diagram

14.13. DS-Board (1 of 5) Schematic Diagram

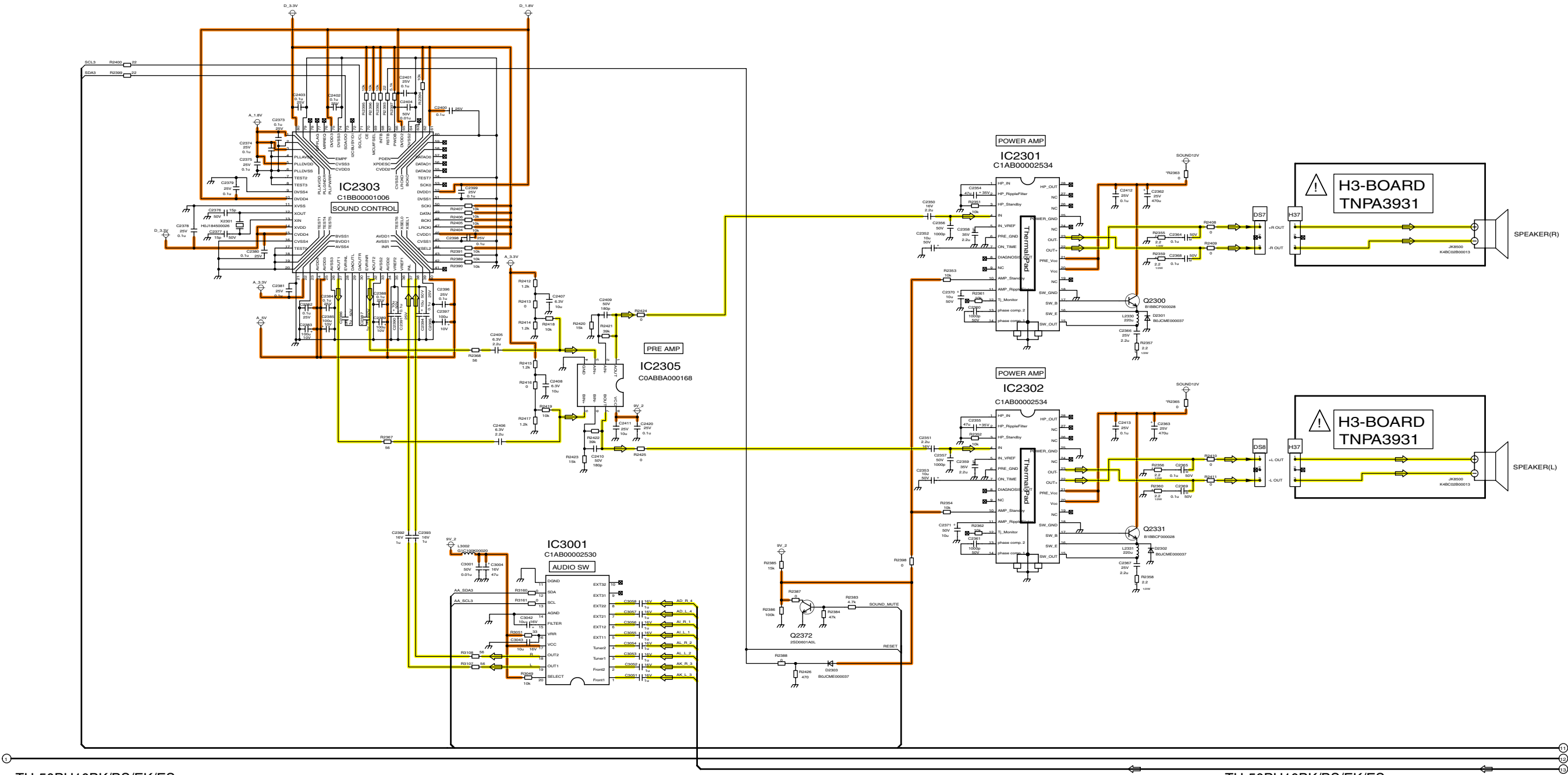


TH-50PH10BK/BS/EK/ES
DS-Board (1 of 5) Schematic Diagram

TH-50PH10BK/BS/EK/ES
DS-Board (1 of 5) Schematic Diagram

14.14. DS-Board (2 of 5) and H3-Board Schematic Diagram

⚠ DS-BOARD TNPA4109AC (2/5)



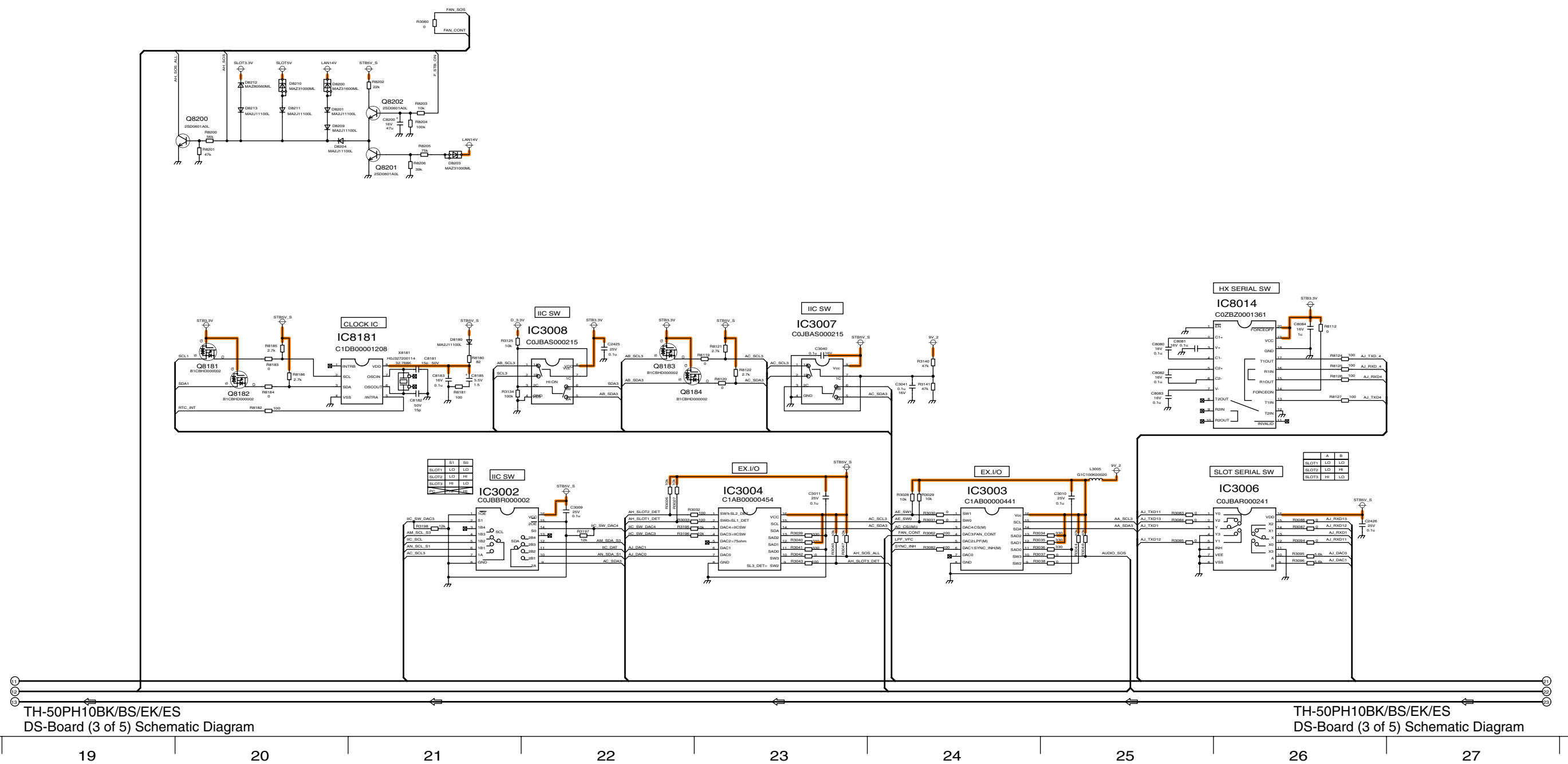
TH-50PH10BK/BS/EK/ES
DS-Board (2 of 5) and H3-Board Schematic Diagram

TH-50PH10BK/BS/EK/ES
DS-Board (2 of 5) and H3-Board Schematic Diagram

14.15. DS-Board (3 of 5) Schematic Diagram

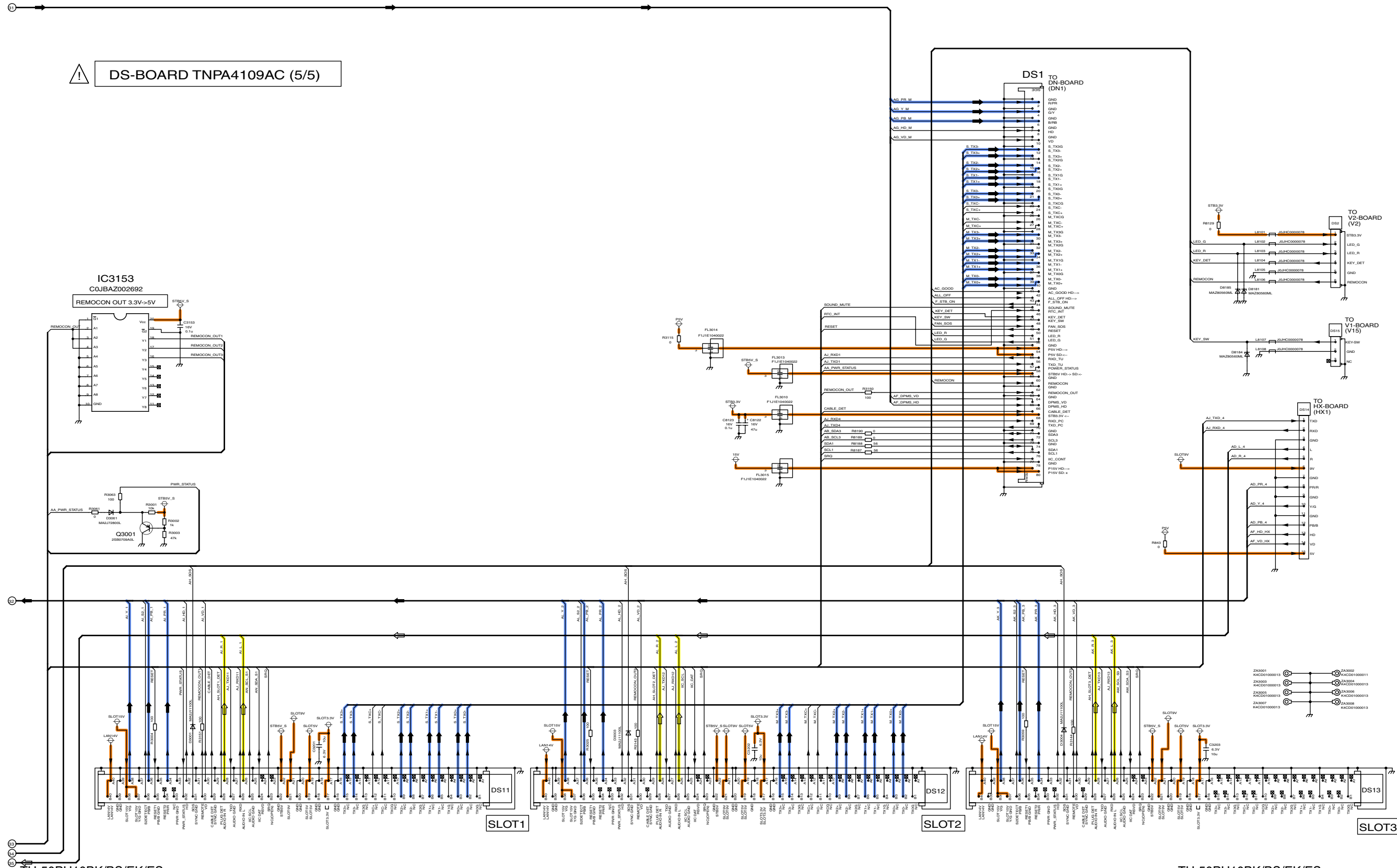


DS-BOARD TNPA4109AC (3/5)





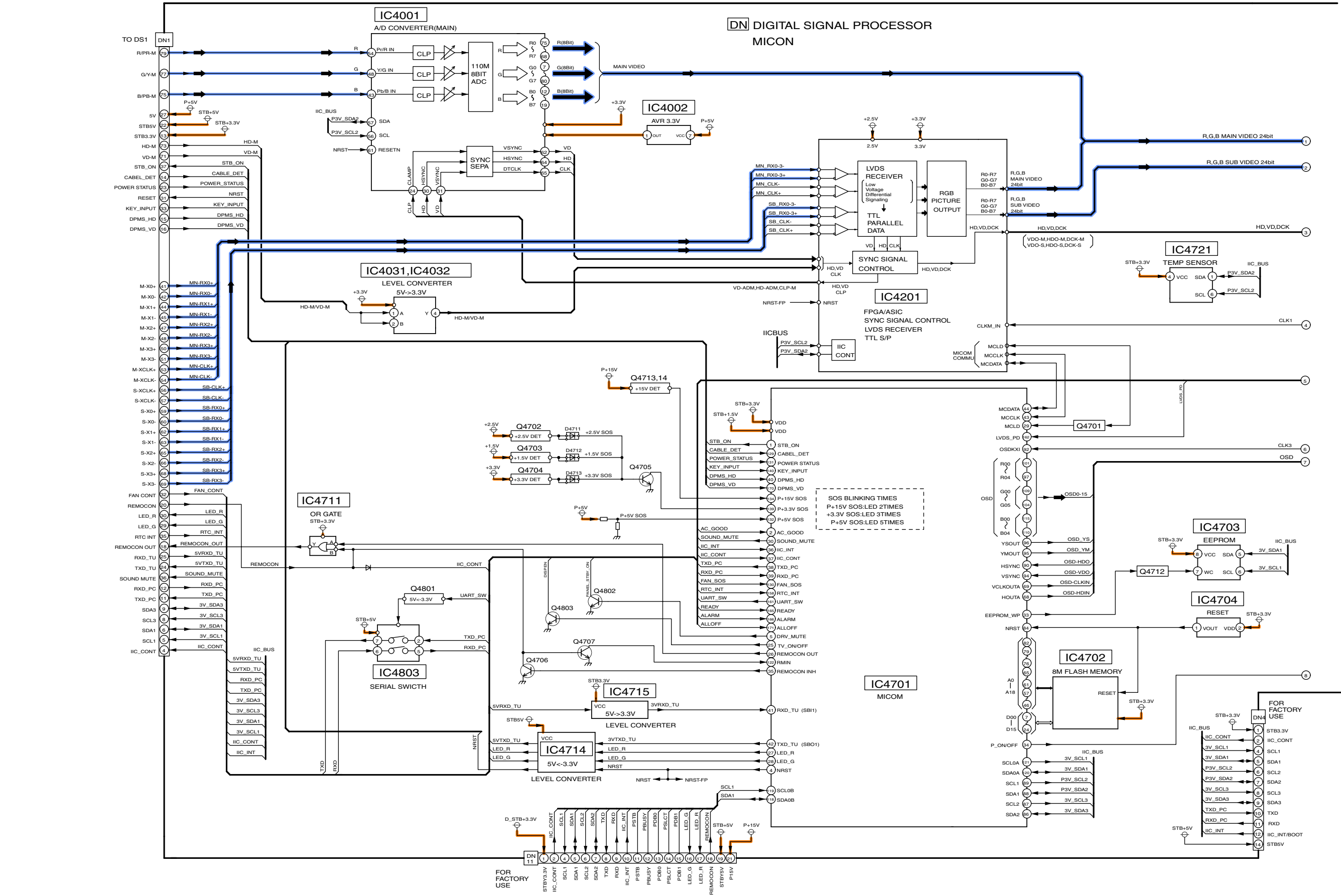
14.17. DS-Board (5 of 5) Schematic Diagram



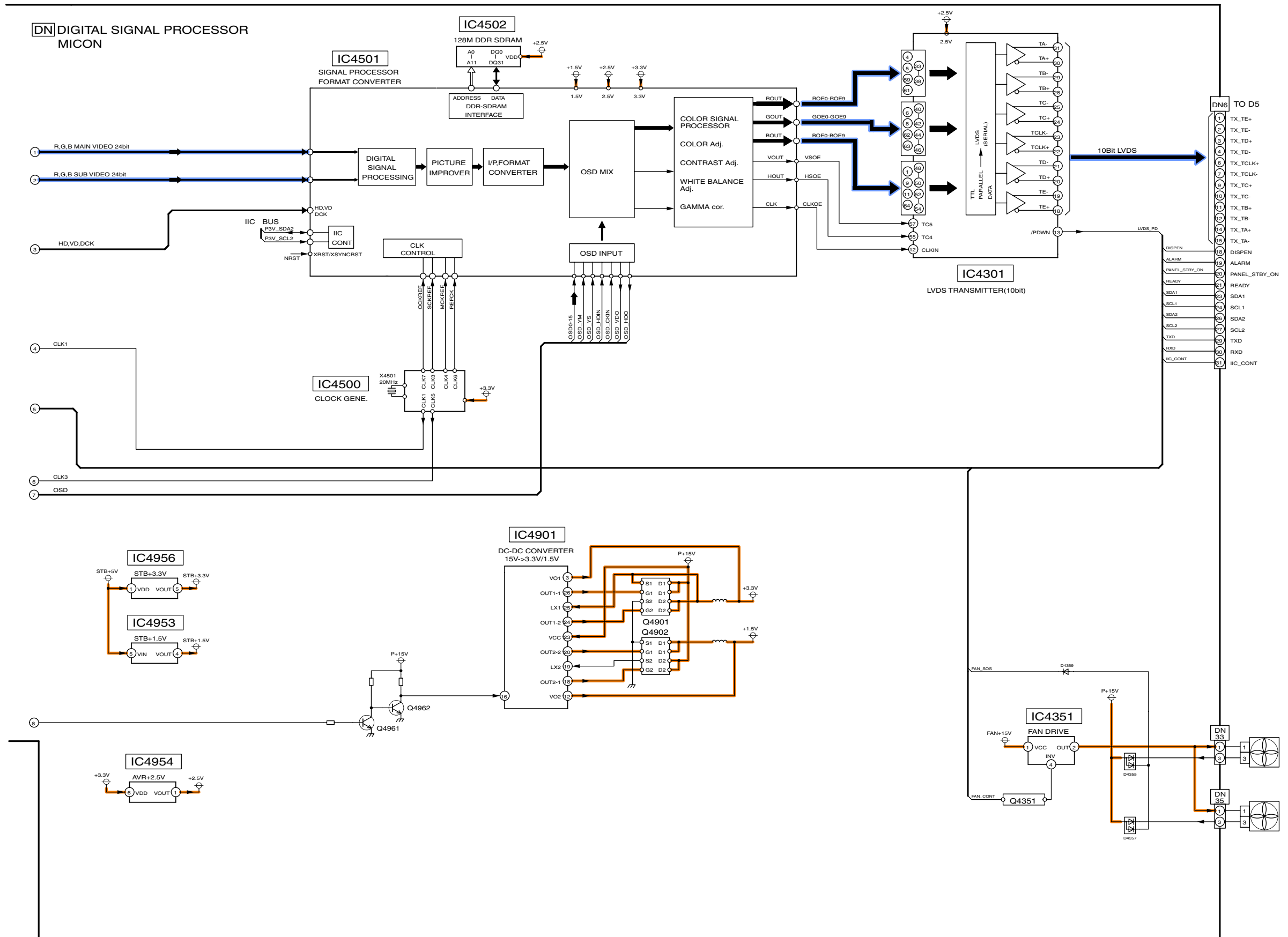
TH-50PH10BK/BS/EK/ES
DS-Board (5 of 5) Schematic Diagram

TH-50PH10BK/BS/EK/ES
DS-Board (5 of 5) Schematic Diagram

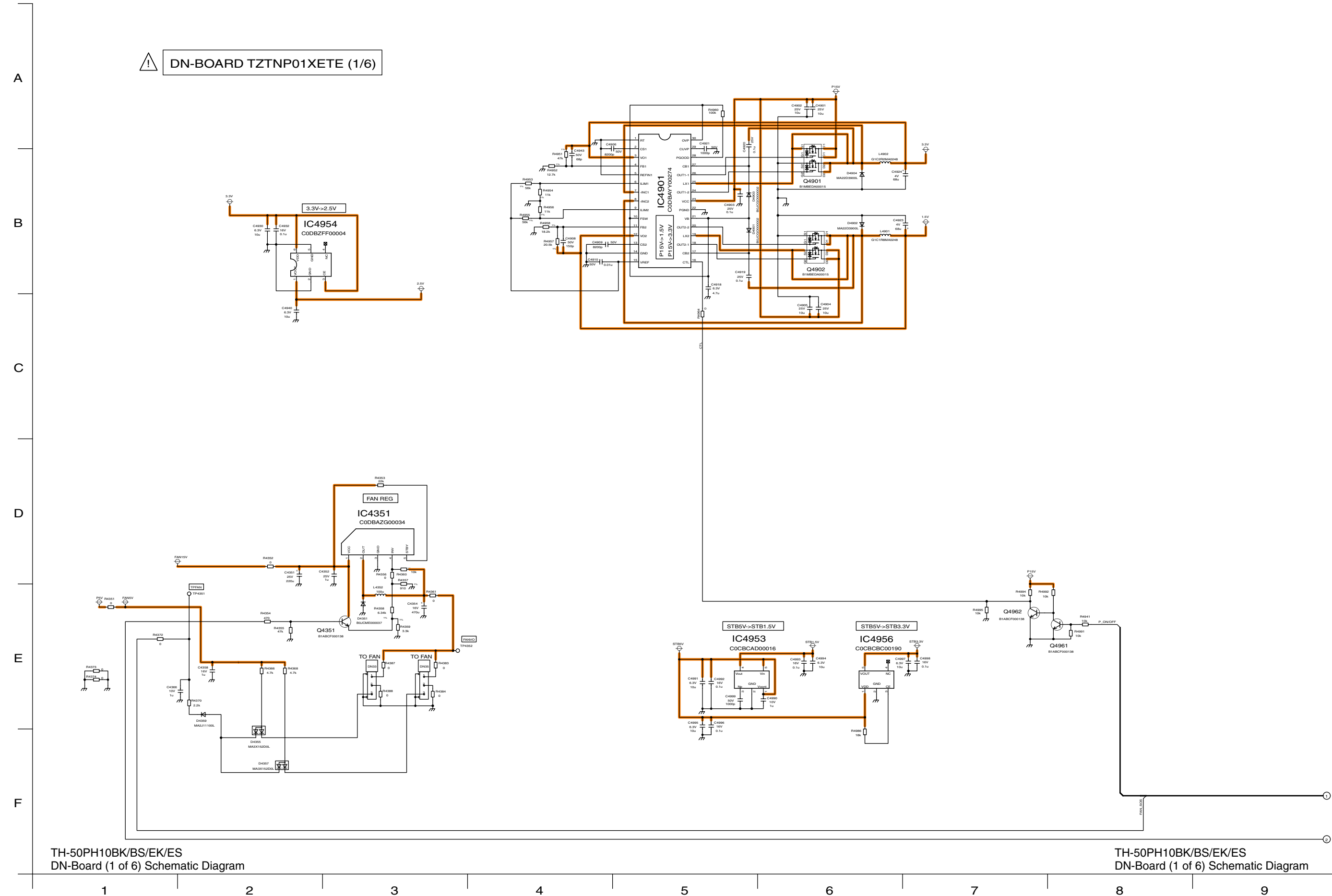
14.18. DN-Board (1 of 2) Block Diagram



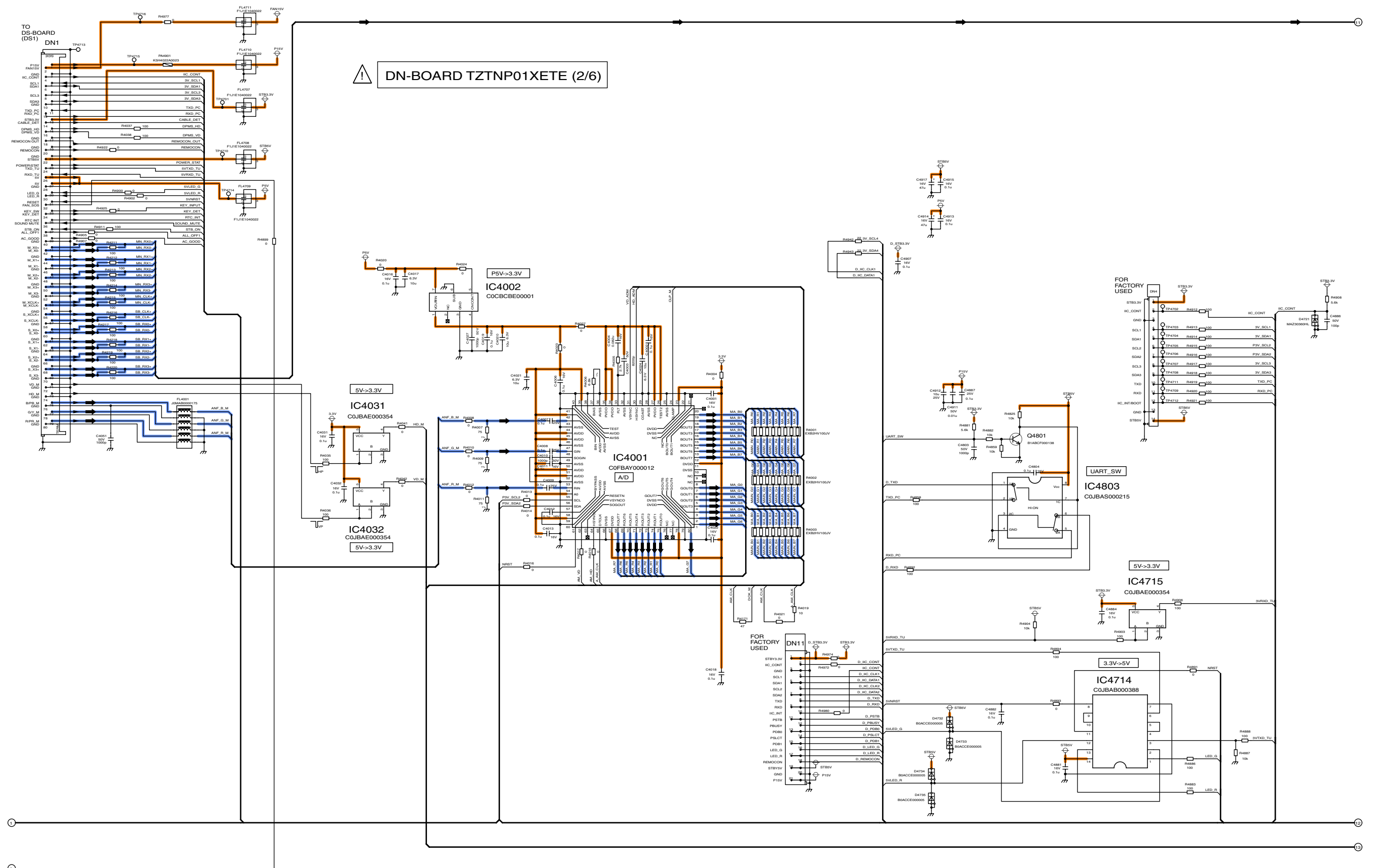
14.19. DN-Board (2 of 2) Block Diagram

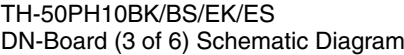


14.20. DN-Board (1 of 6) Schematic Diagram

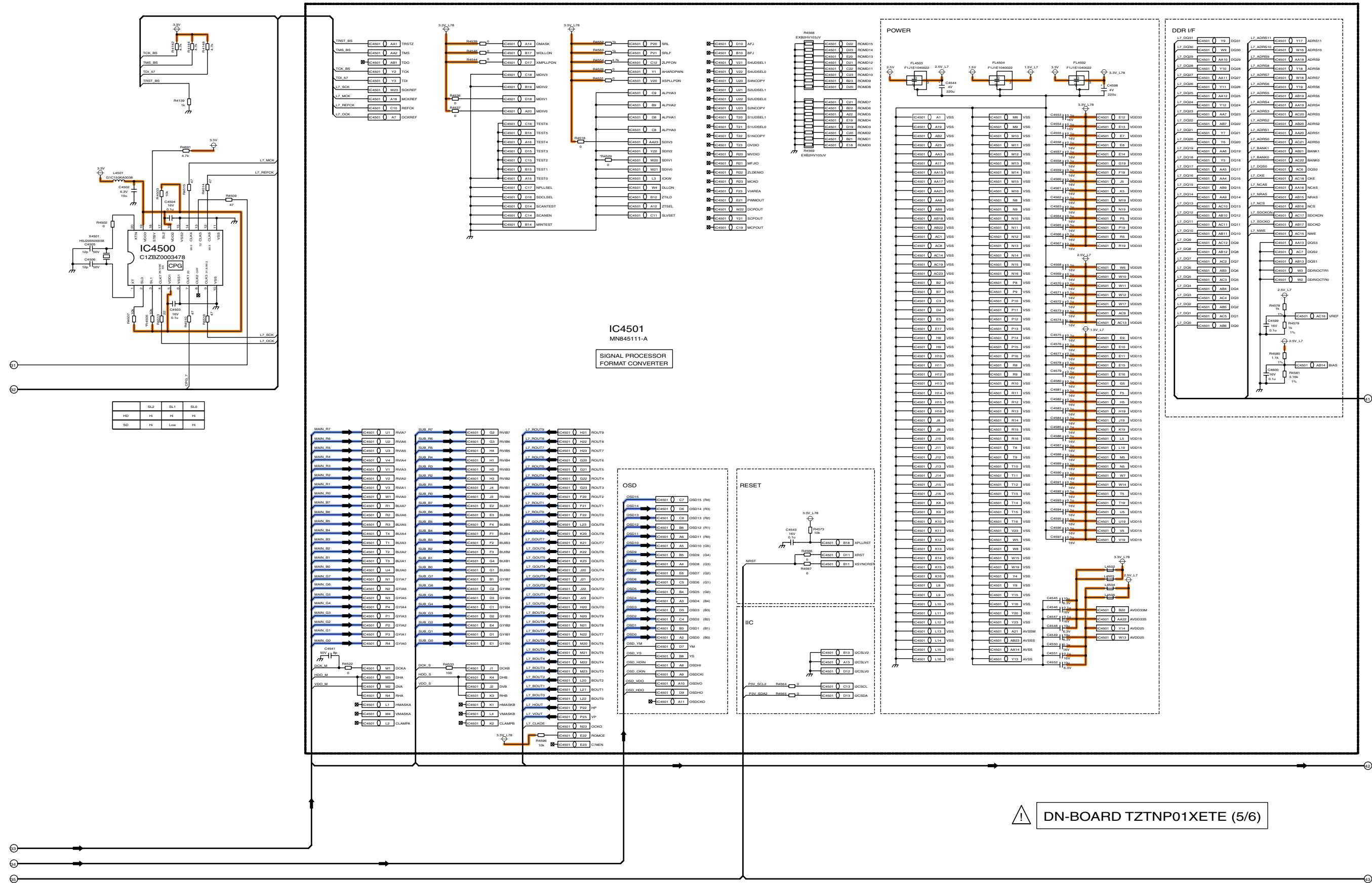


14.21. DN-Board (2 of 6) Schematic Diagram





14.24. DN-Board (5 of 6) Schematic Diagram

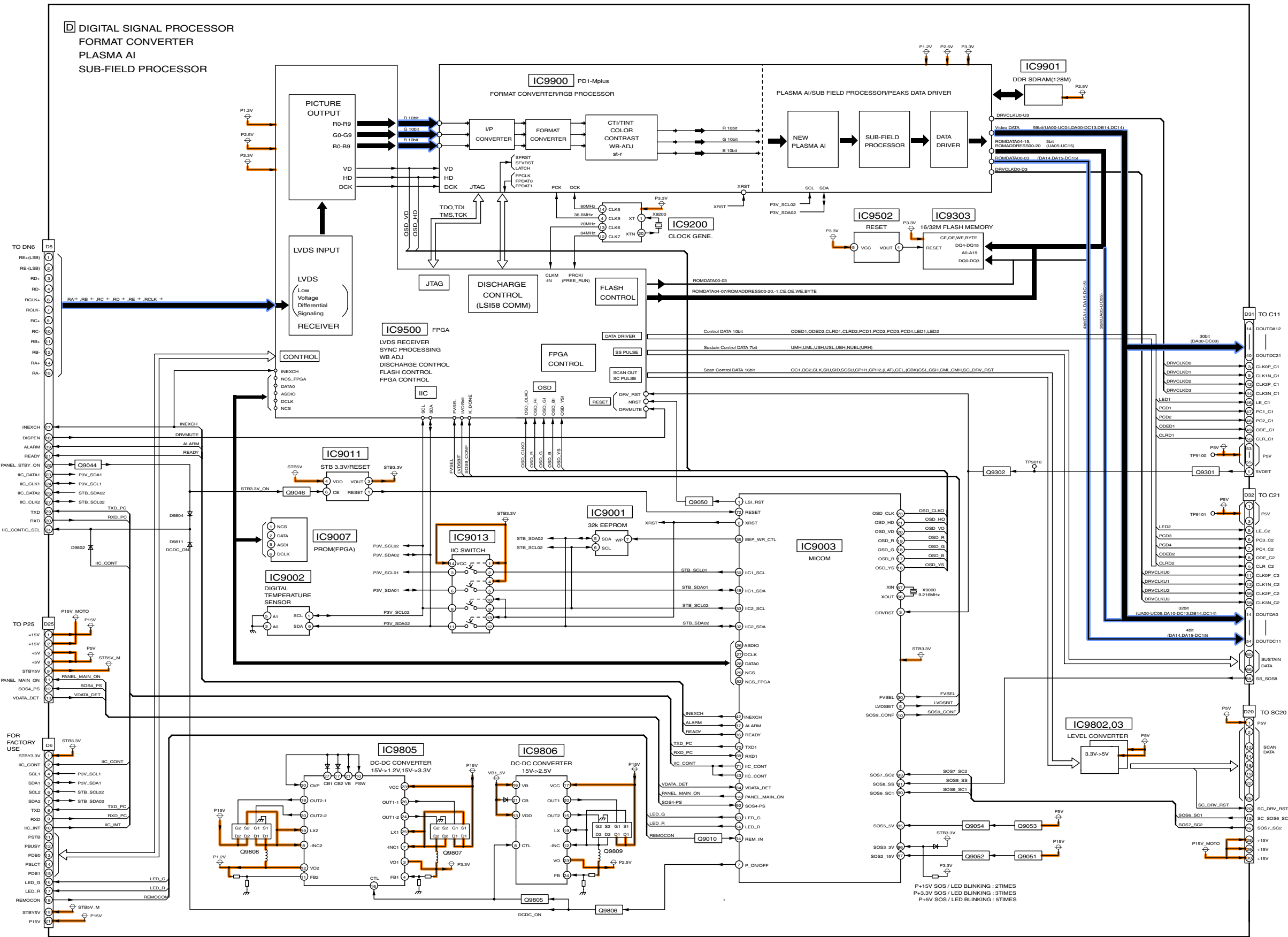


⚠ DN-BOARD TZTNP01XETE (5/6)

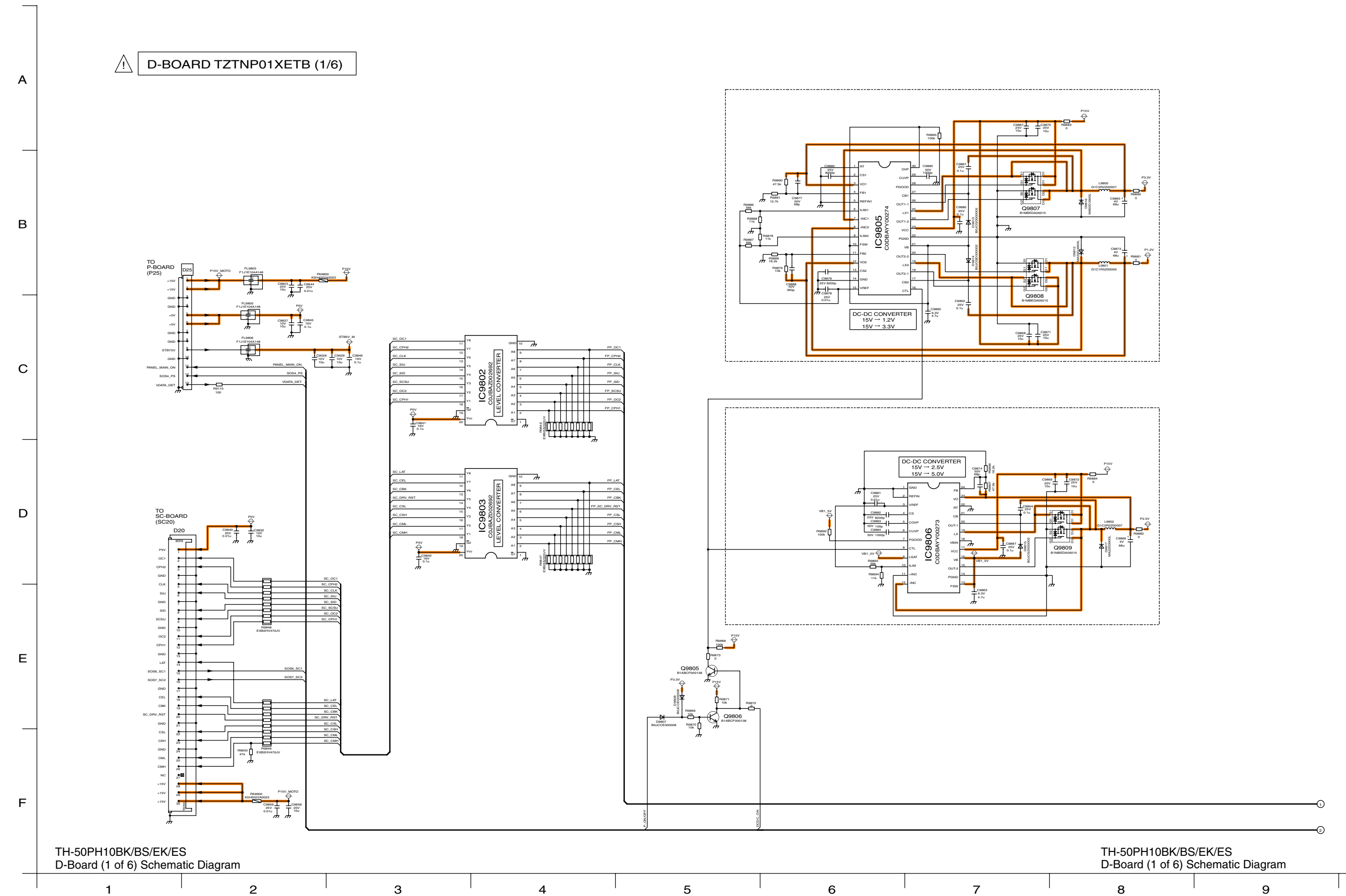
14.25. DN-Board (6 of 6) Schematic Diagram



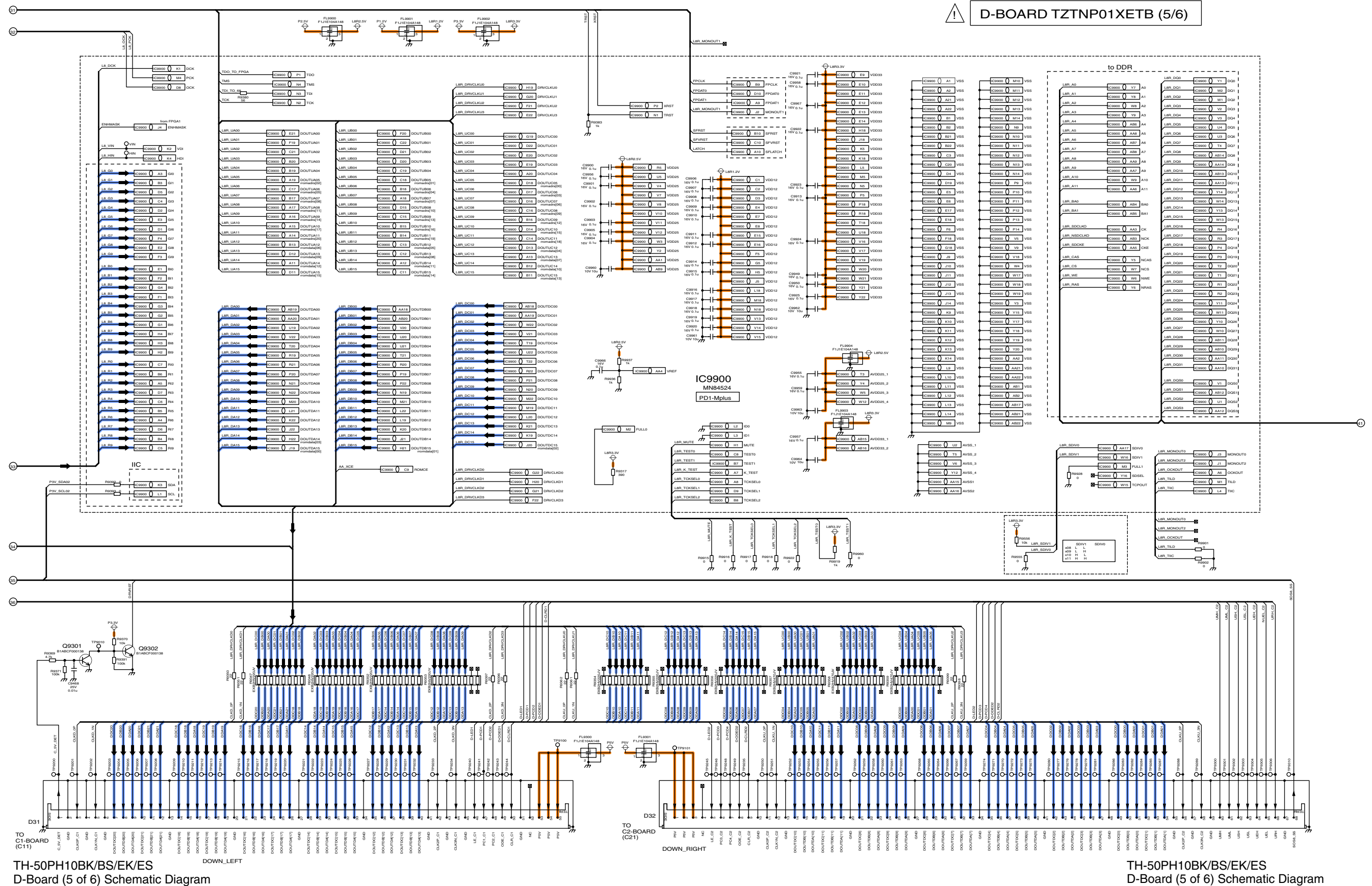
14.26. D-Board Block Diagram



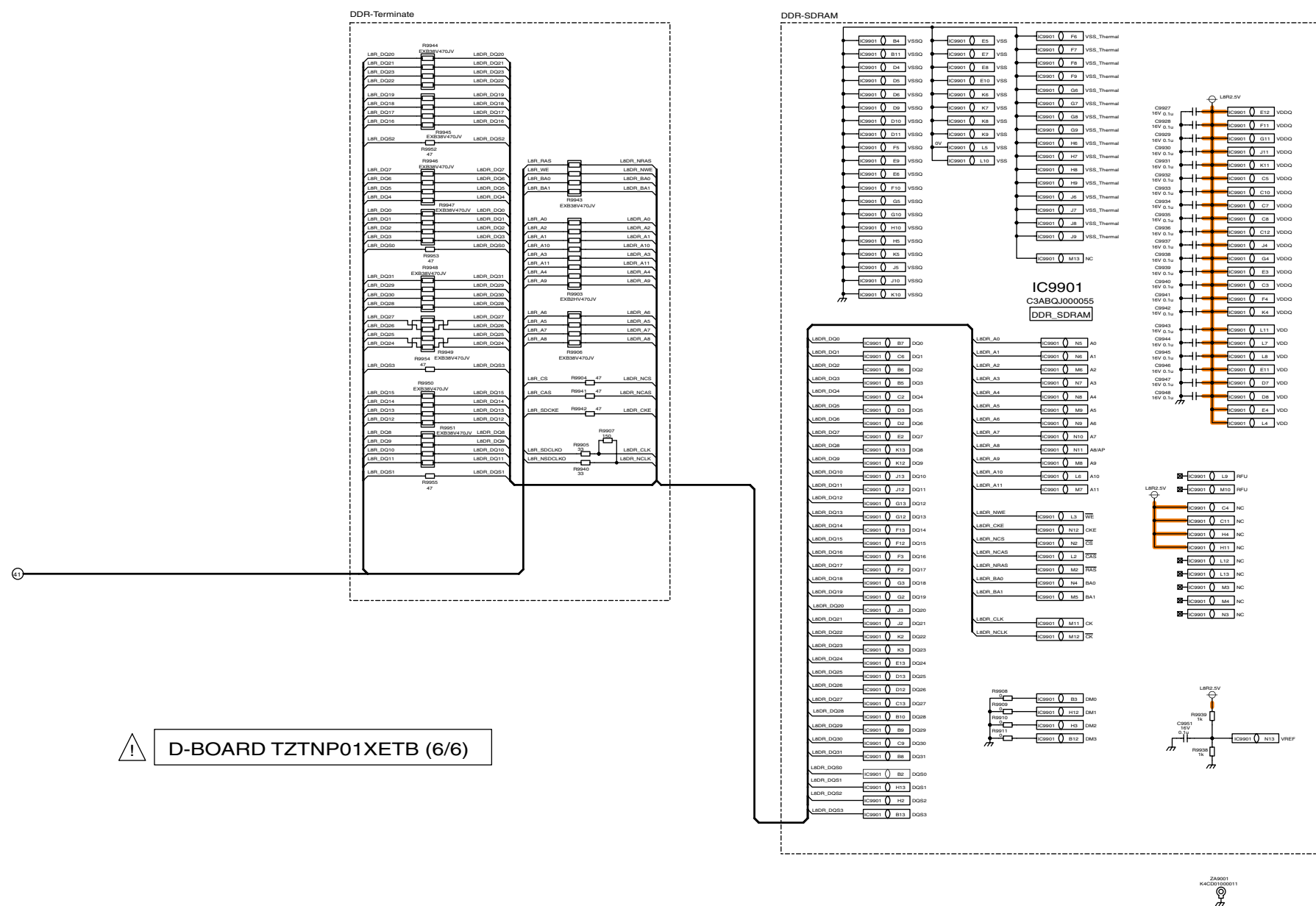
14.27. D-Board (1 of 6) Schematic Diagram



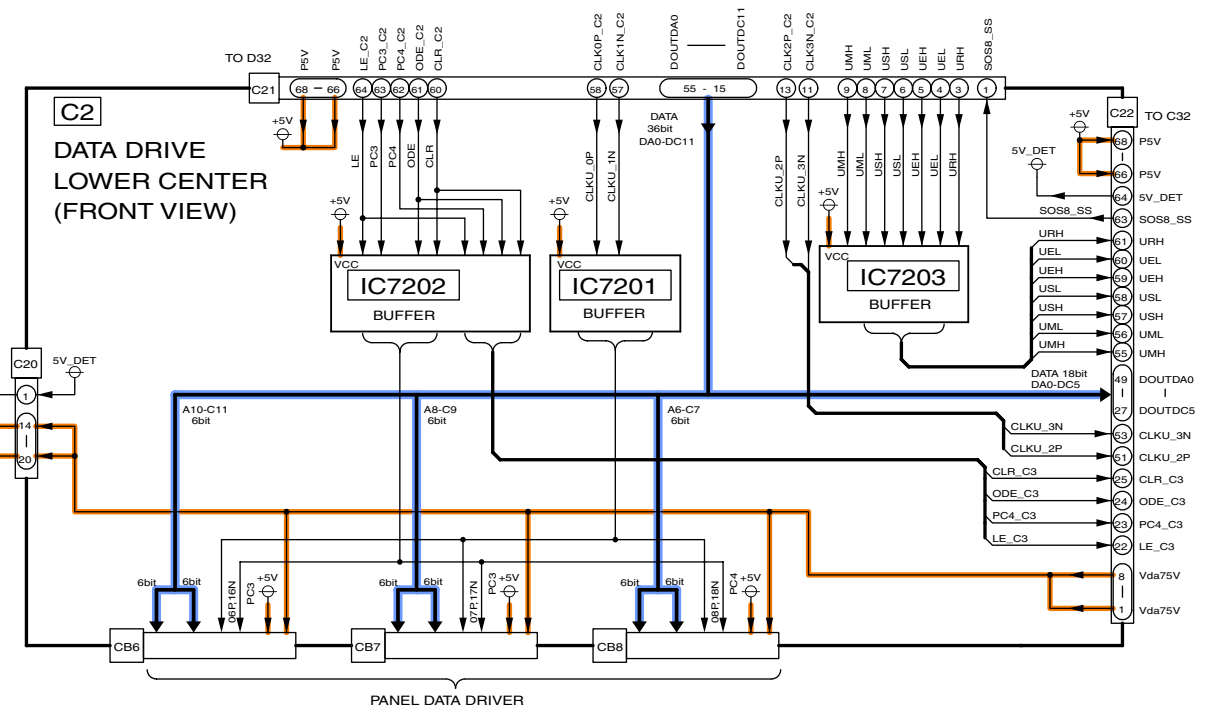
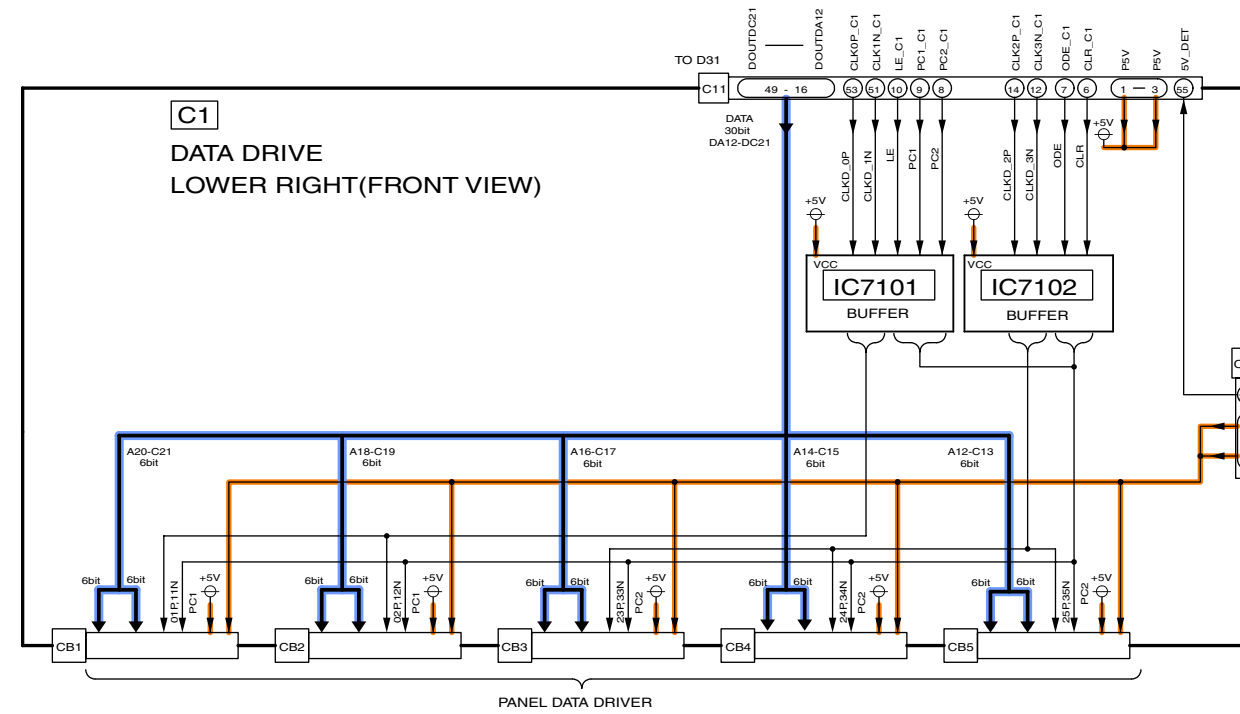
14.31. D-Board (5 of 6) Schematic Diagram



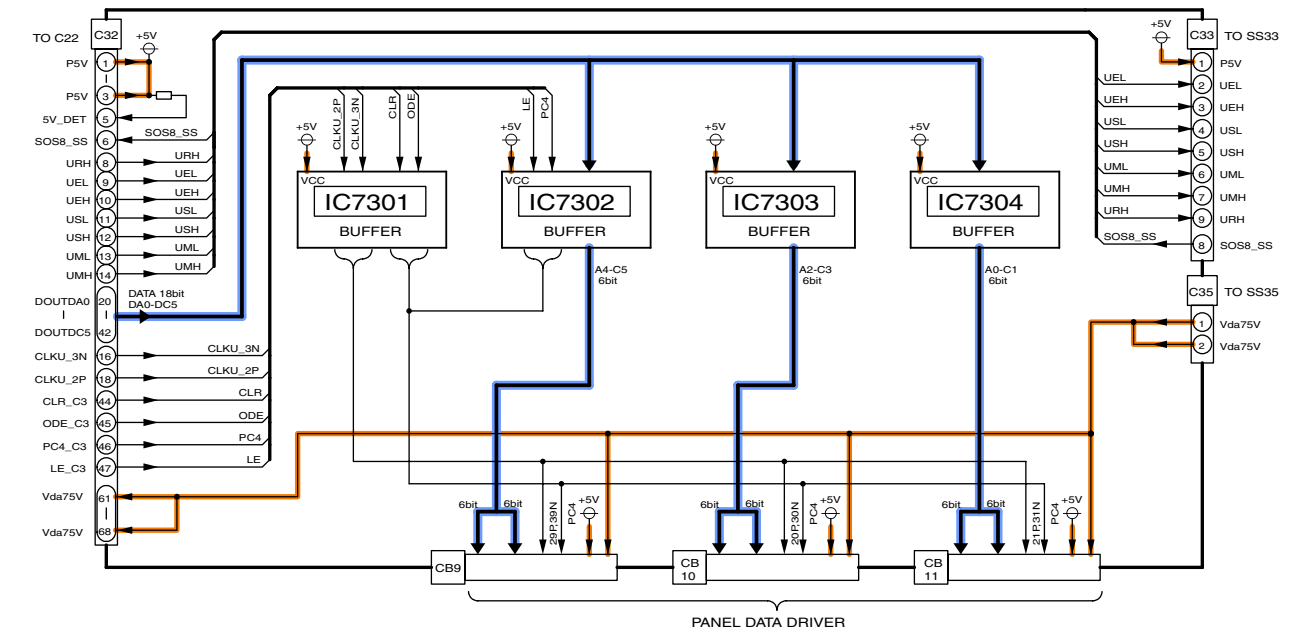
14.32. D-Board (6 of 6) Schematic Diagram

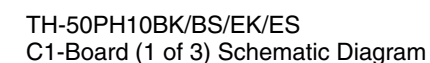


14.33. C1, C2 and C3-Board Block Diagram



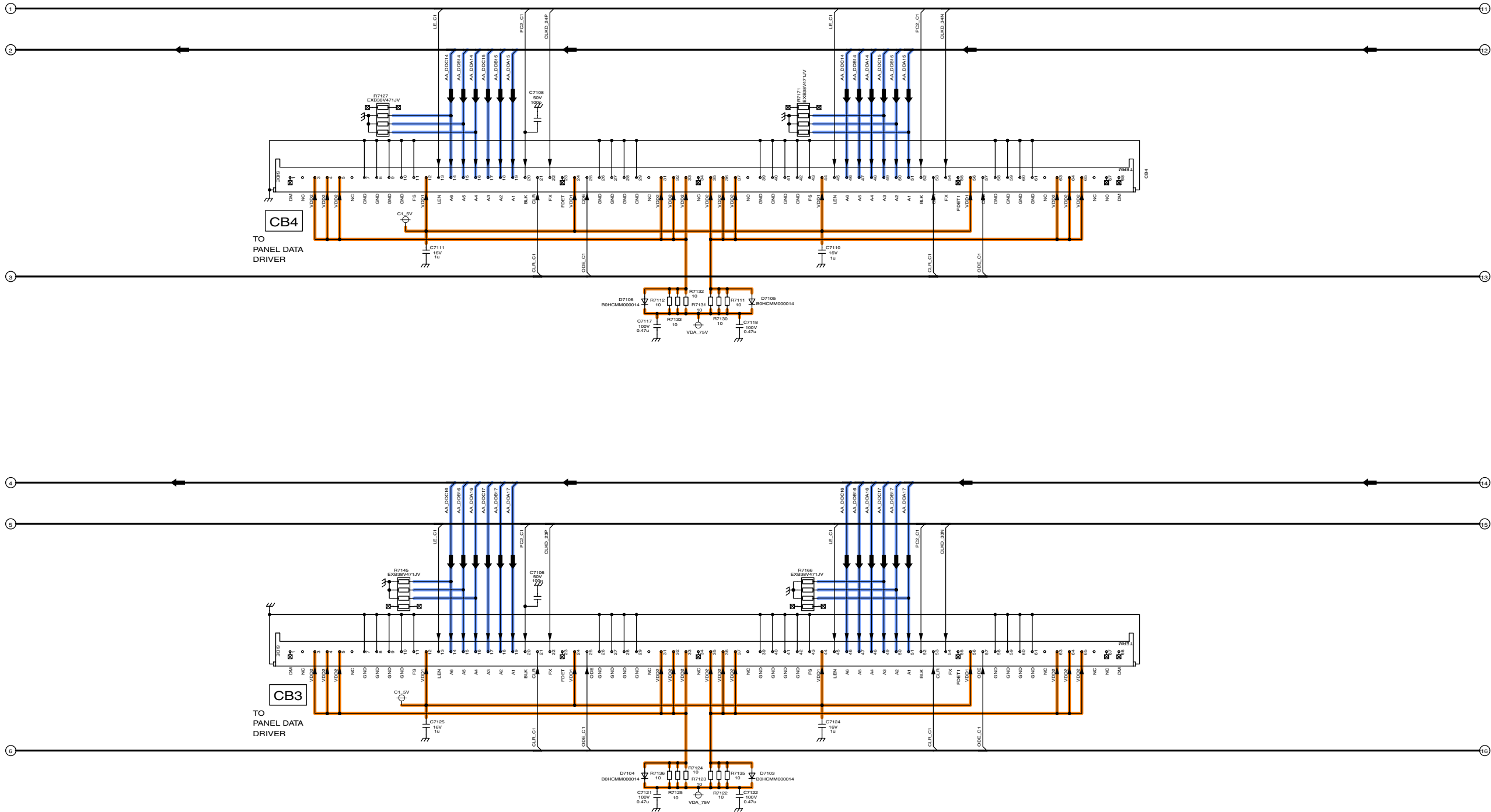
C3
DATA DRIVE
LOWER LEFT
(FRONT VIEW)





14.35. C1-Board (2 of 3) Schematic Diagram

! C1-BOARD TXNC11HMTB (2/3)



TH-50PH10BK/BS/EK/ES
C1-Board (2 of 3) Schematic Diagram

TH-50PH10BK/BS/EK/ES
C1-Board (2 of 3) Schematic Diagram

8

9

10

11

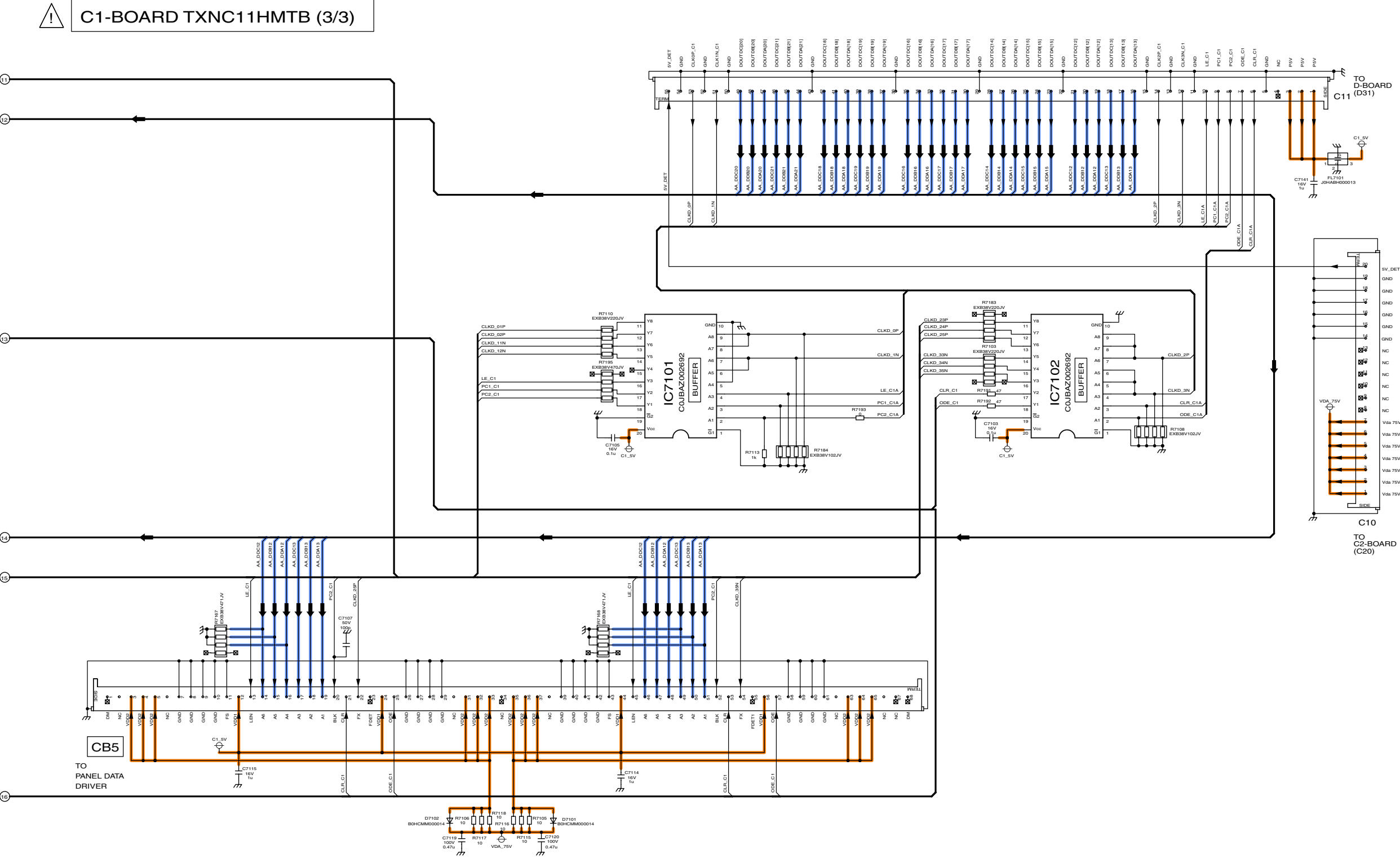
12

13

14

15

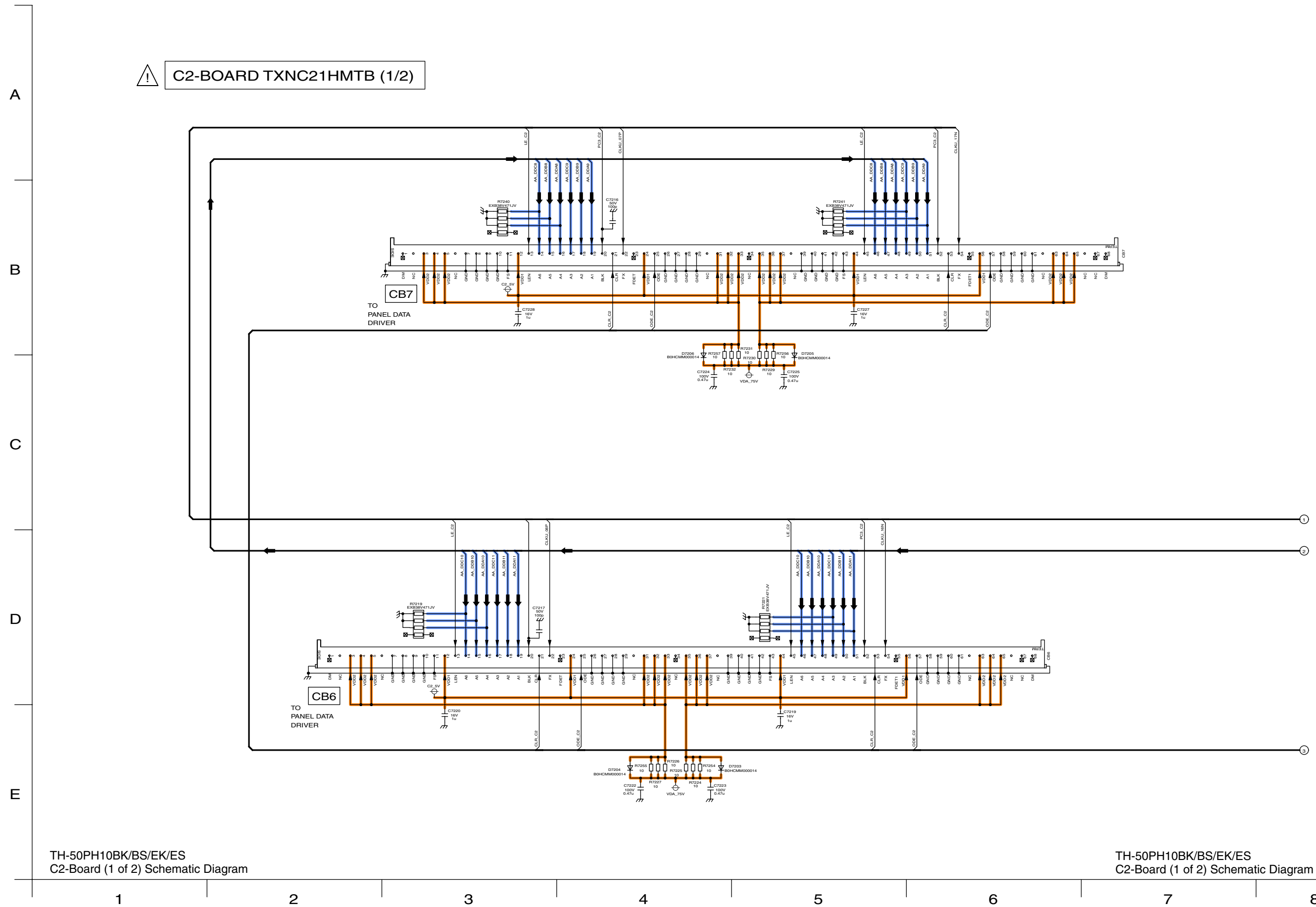
14.36. C1-Board (3 of 3) Schematic Diagram

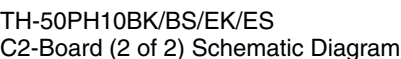


TH-50PH10BK/BS/EK/ES
C1-Board (3 of 3) Schematic Diagram

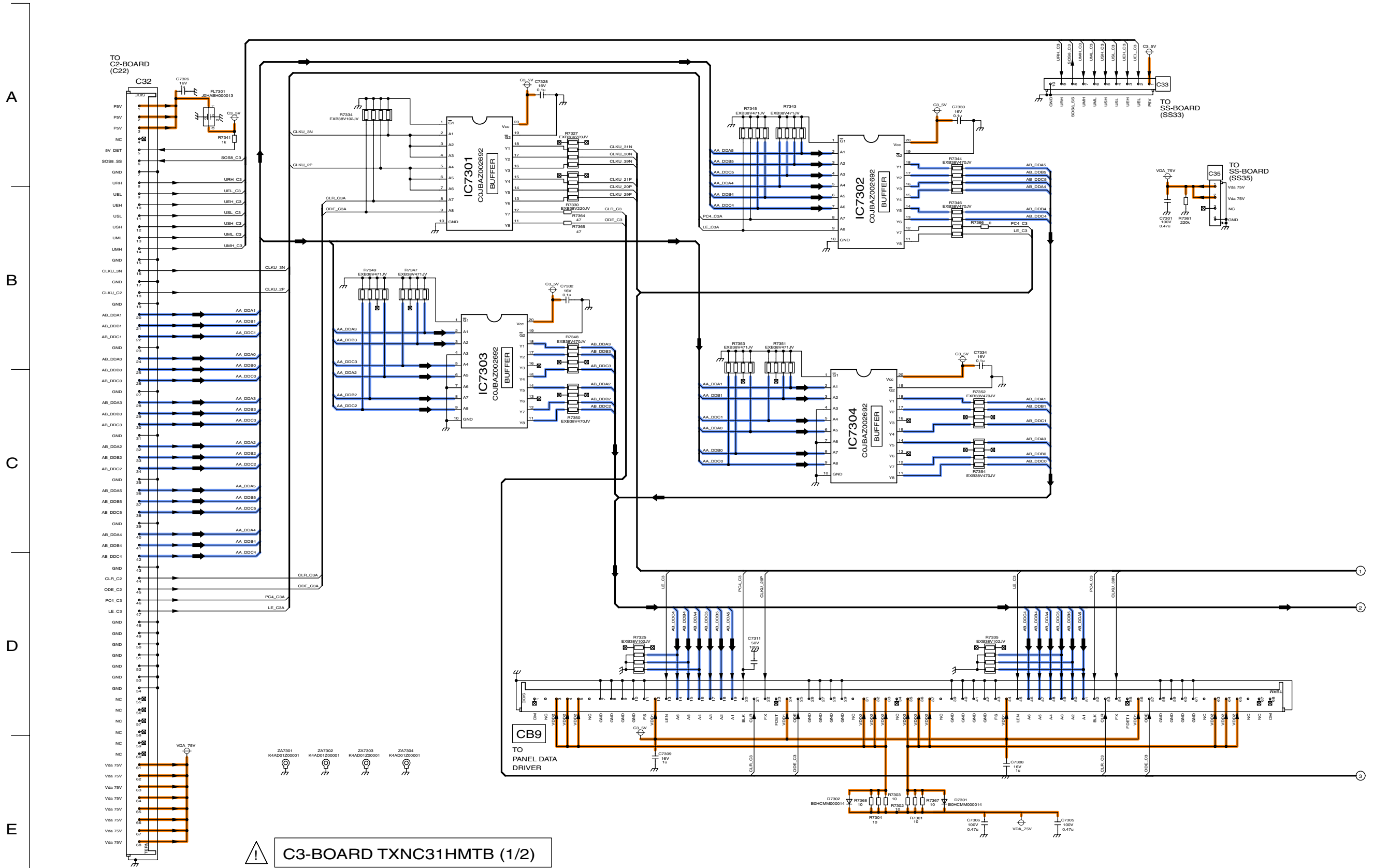
TH-50PH10BK/BS/EK/ES
C1-Board (3 of 3) Schematic Diagram

14.37. C2-Board (1 of 2) Schematic Diagram



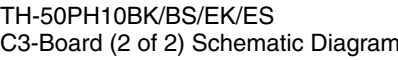


14.39. C3-Board (1 of 2) Schematic Diagram



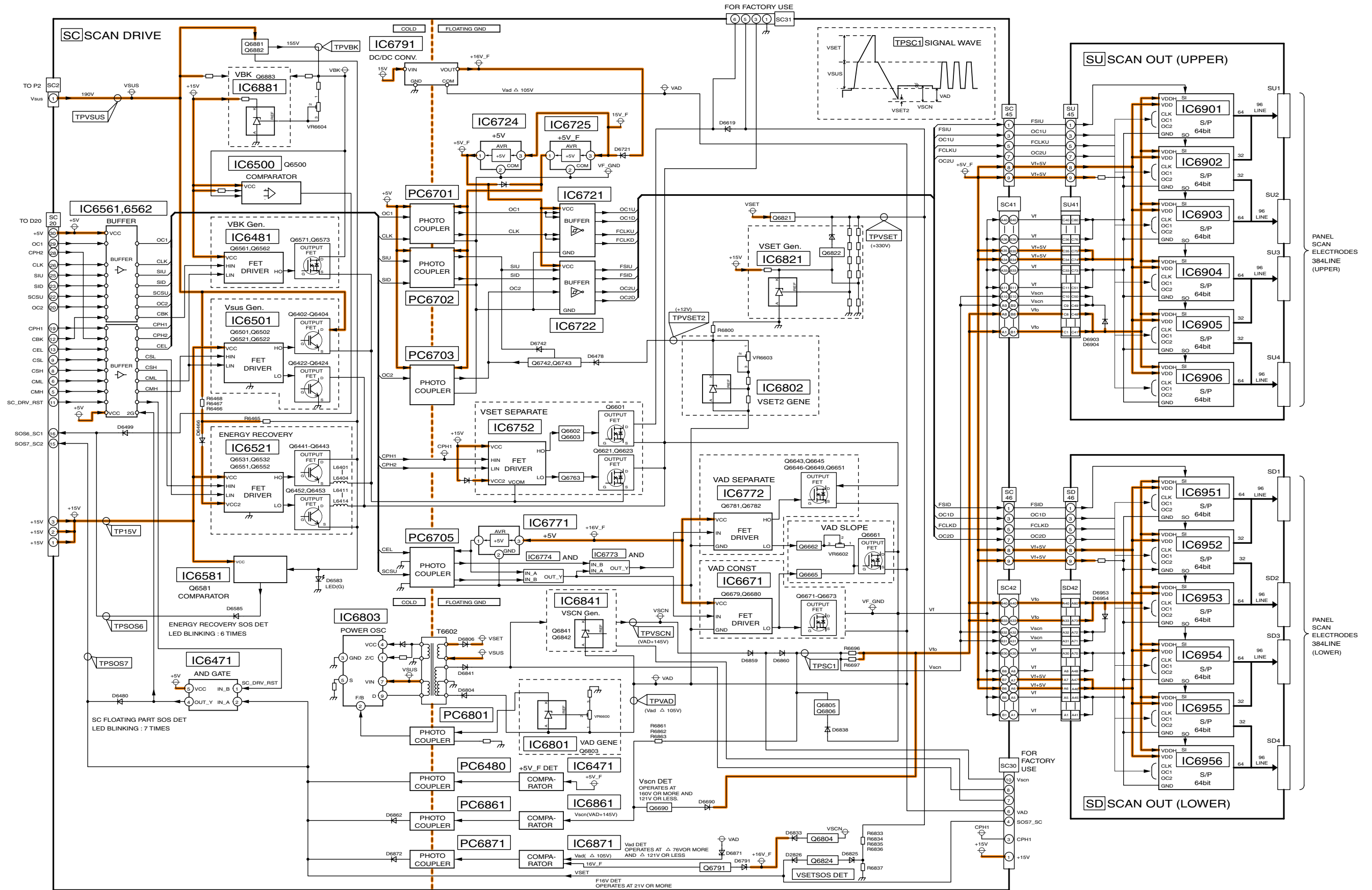
TH-50PH10BK/BS/EK/ES
C3-Board (1 of 2) Schematic Diagram

TH-50PH10BK/BS/EK/ES
C3-Board (1 of 2) Schematic Diagram



TH-50PH10BK/BS/EK/ES C3-Board (2 of 2) Schematic Diagram

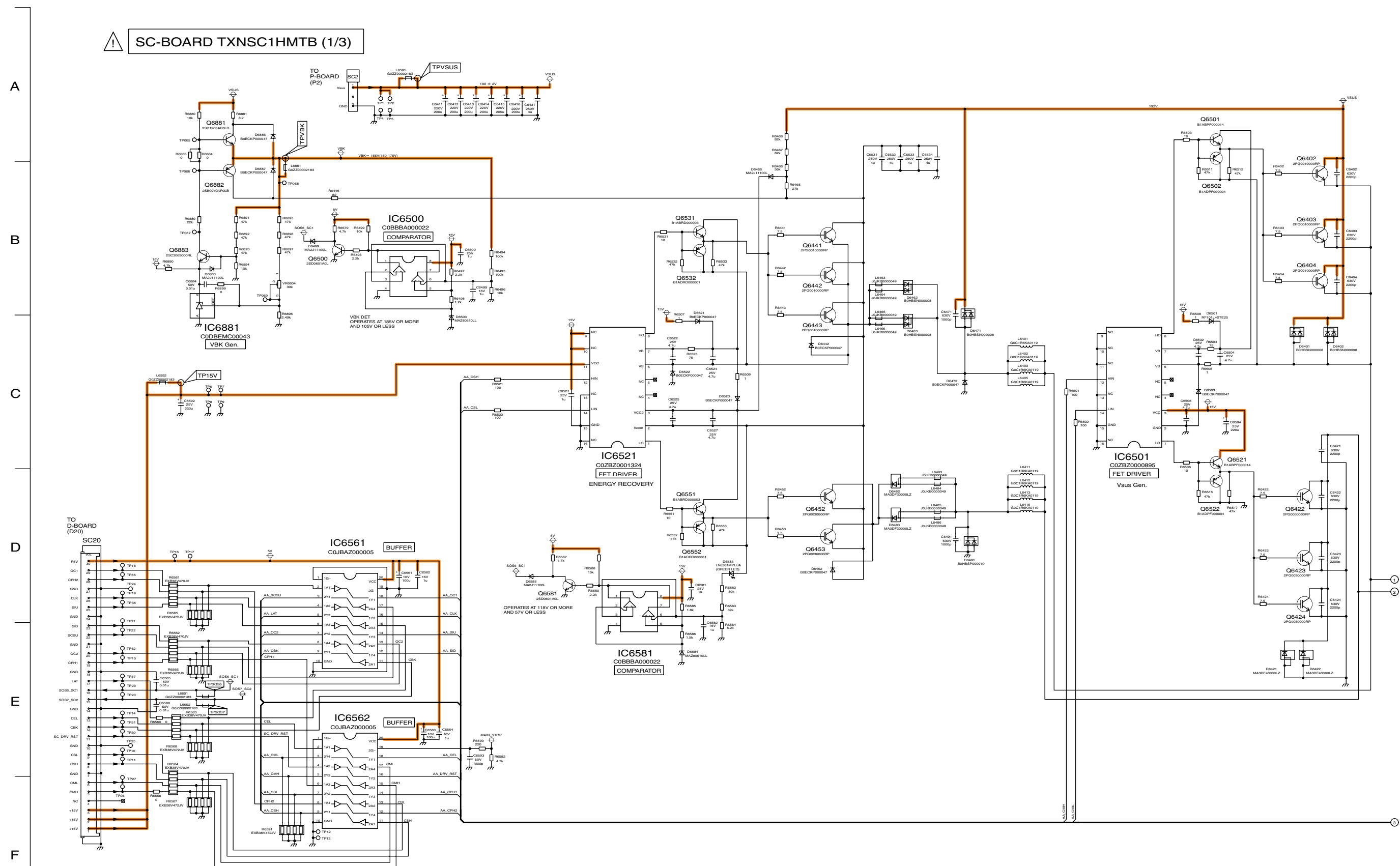
14.41. SC, SU and SD-Board Block Diagram



TH-50PH10BK/BS/EK/ES SC, SU and SD-Board Block Diagram

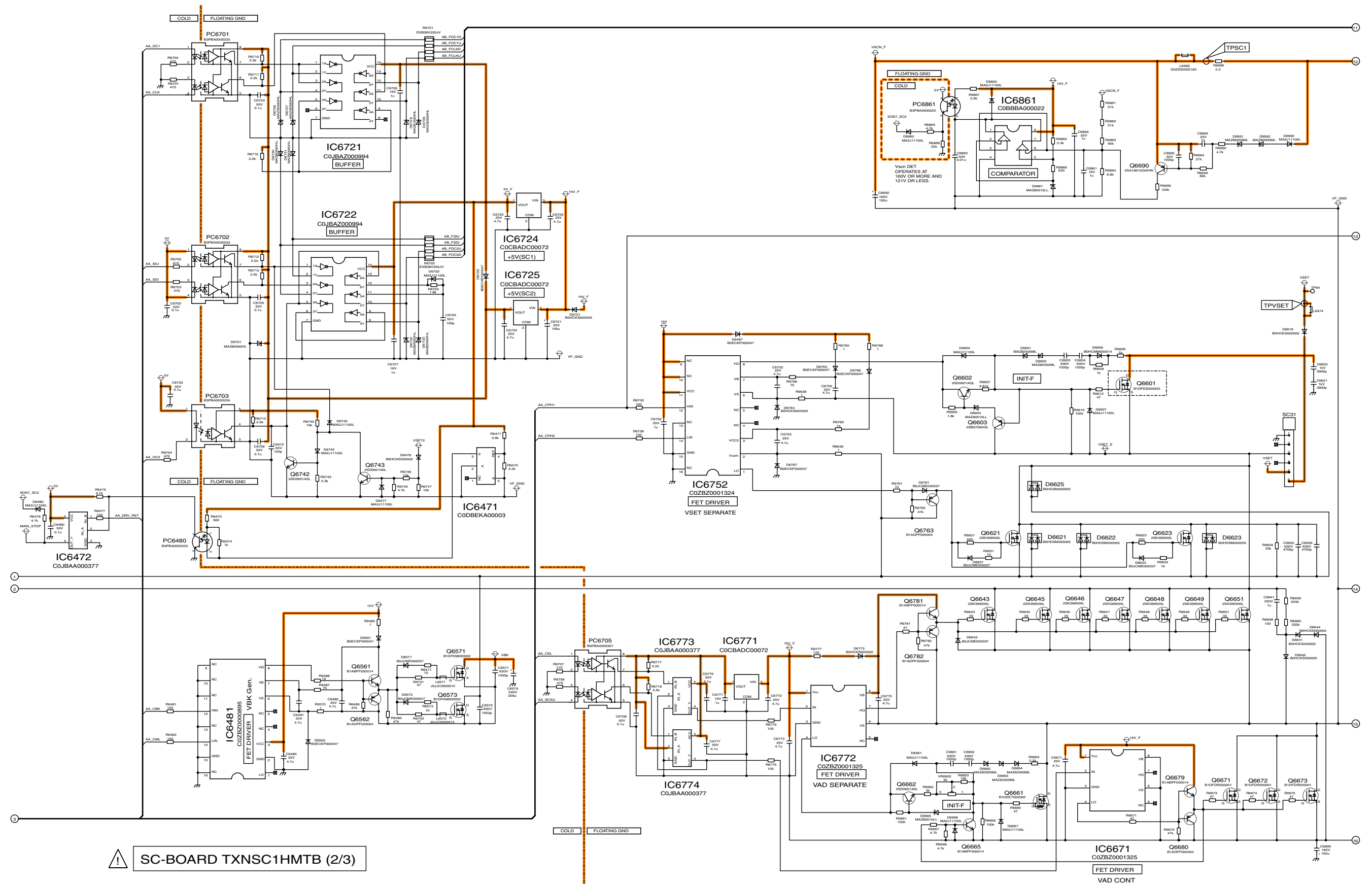
TH-50PH10BK/BS/EK/ES SC, SU and SD-Board Block Diagram

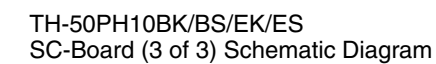
14.42. SC-Board (1 of 3) Schematic Diagram

TH-50PH10BK/BS/EK/ES
SC-Board (1 of 3) Schematic Diagram

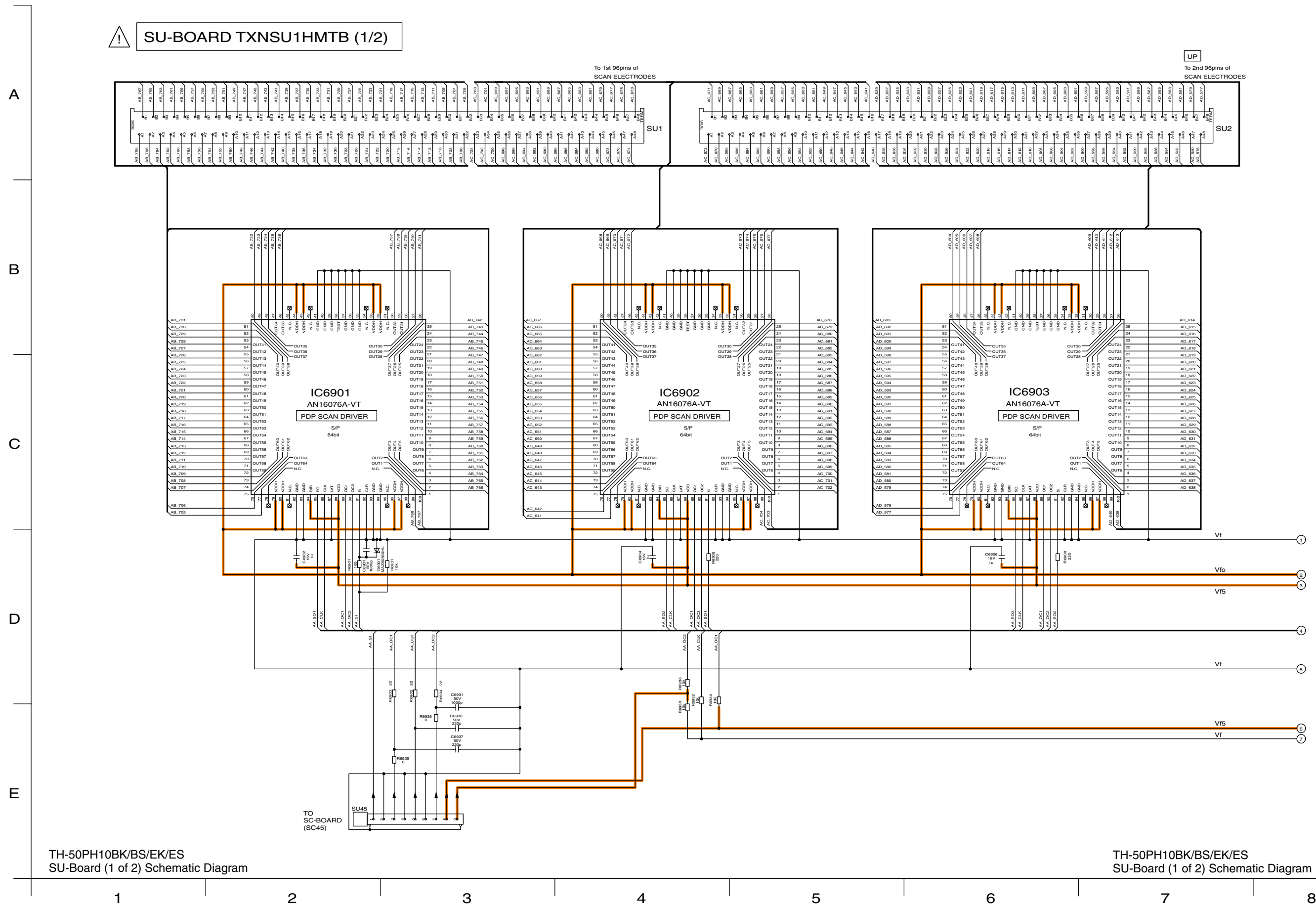
TH-50PH10BK/BS/EK/ES
SC-Board (1 of 3) Schematic Diagram

14.43. SC-Board (2 of 3) Schematic Diagram

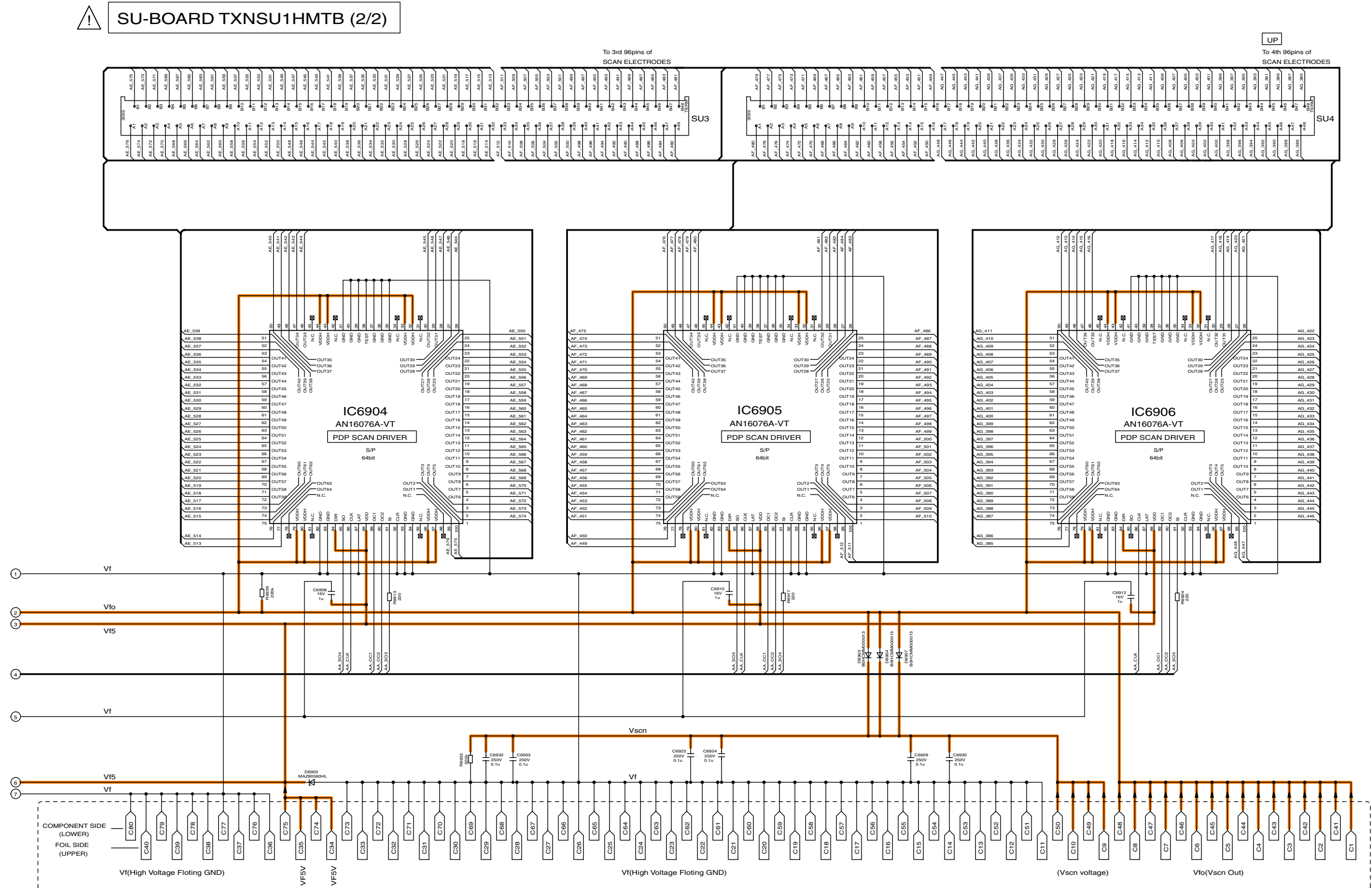




14.45. SU-Board (1 of 2) Schematic Diagram



14.46. SU-Board (2 of 2) Schematic Diagram



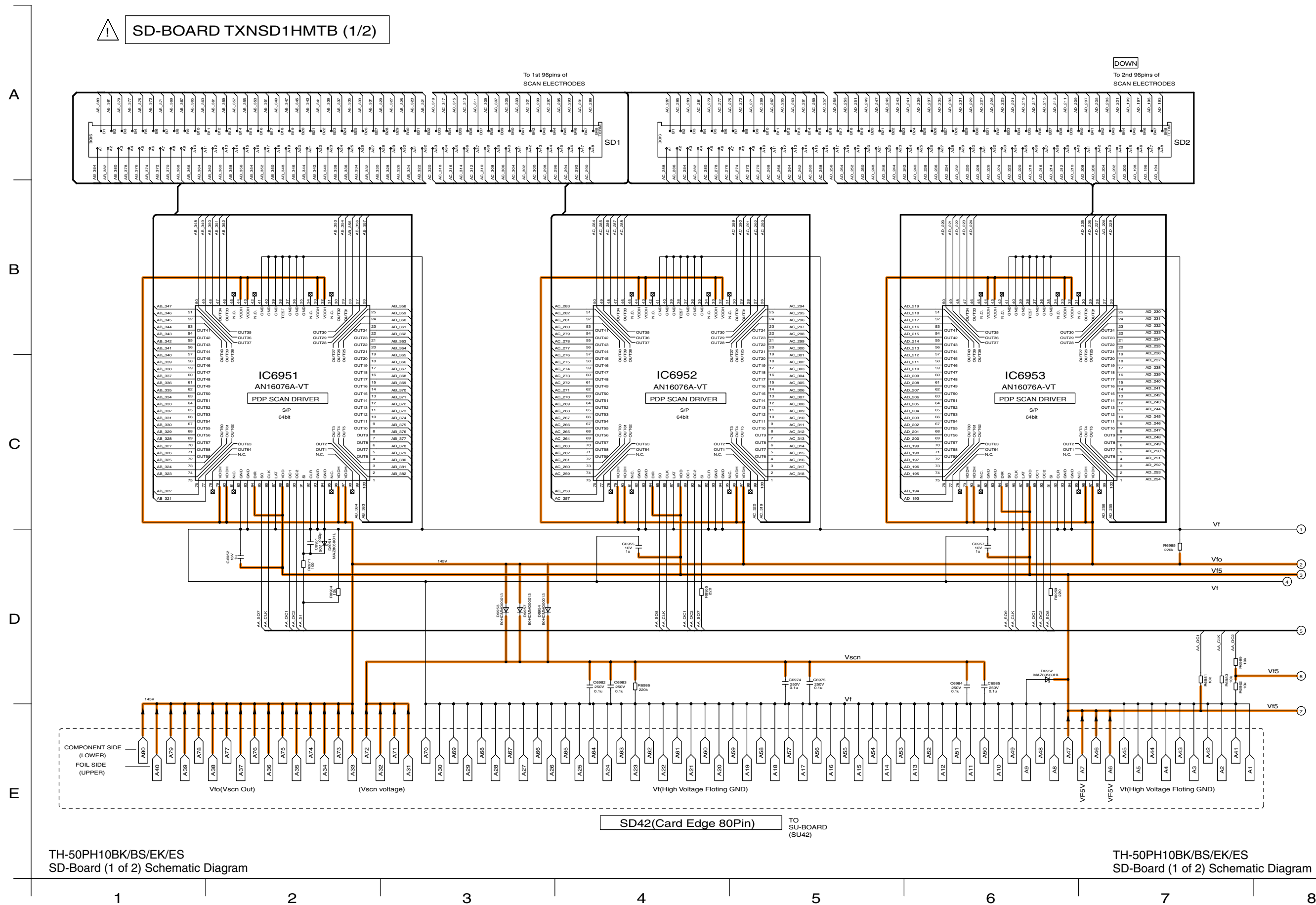
TH-50PH10BK/BS/EK/ES SU-Board (2 of 2) Schematic Diagram

SU41(Card Edge 80Pin)

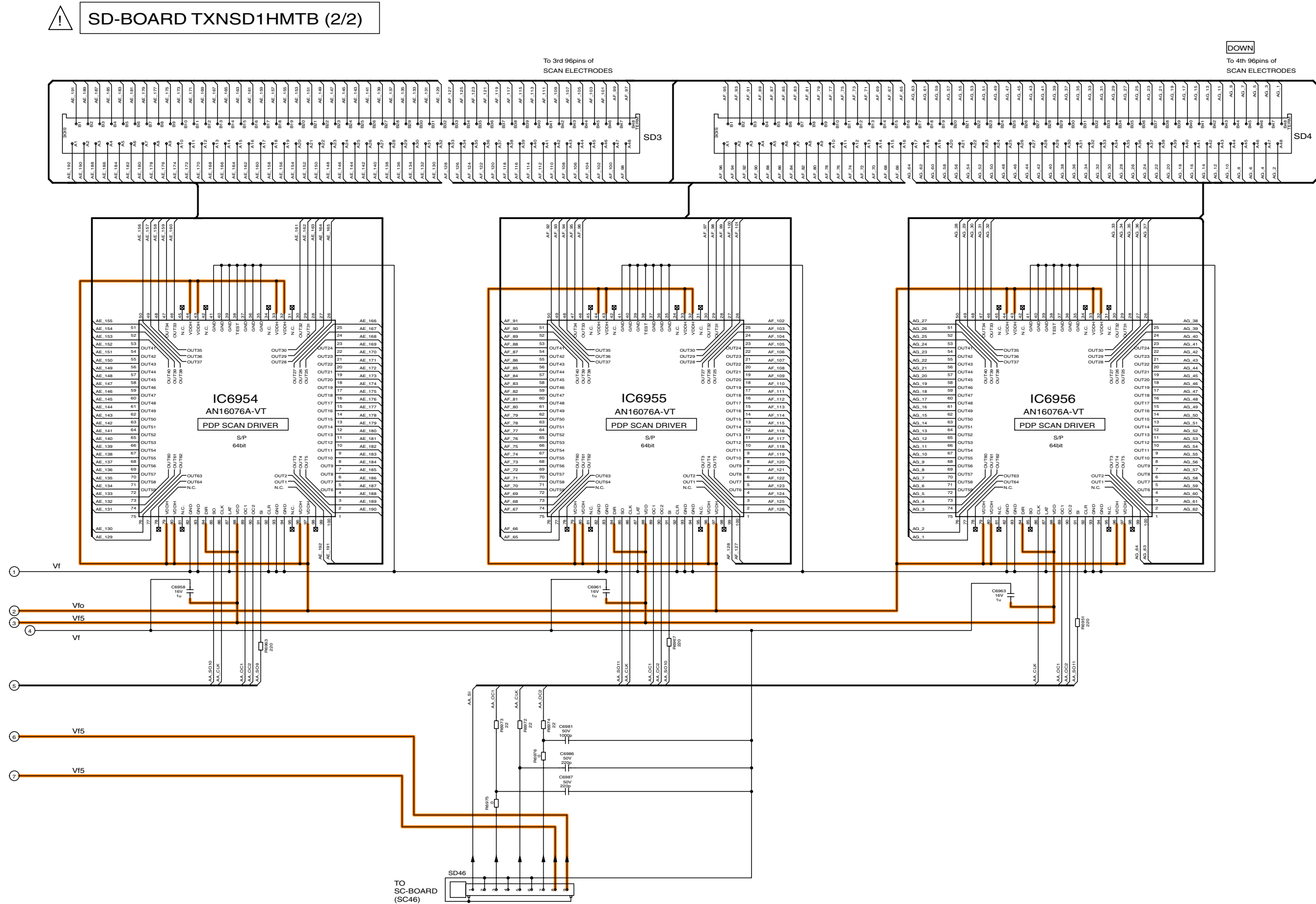
TO
SC-BOARD
(SC41)

TH-50PH10BK/BS/EK/ES SU-Board (2 of 2) Schematic Diagram

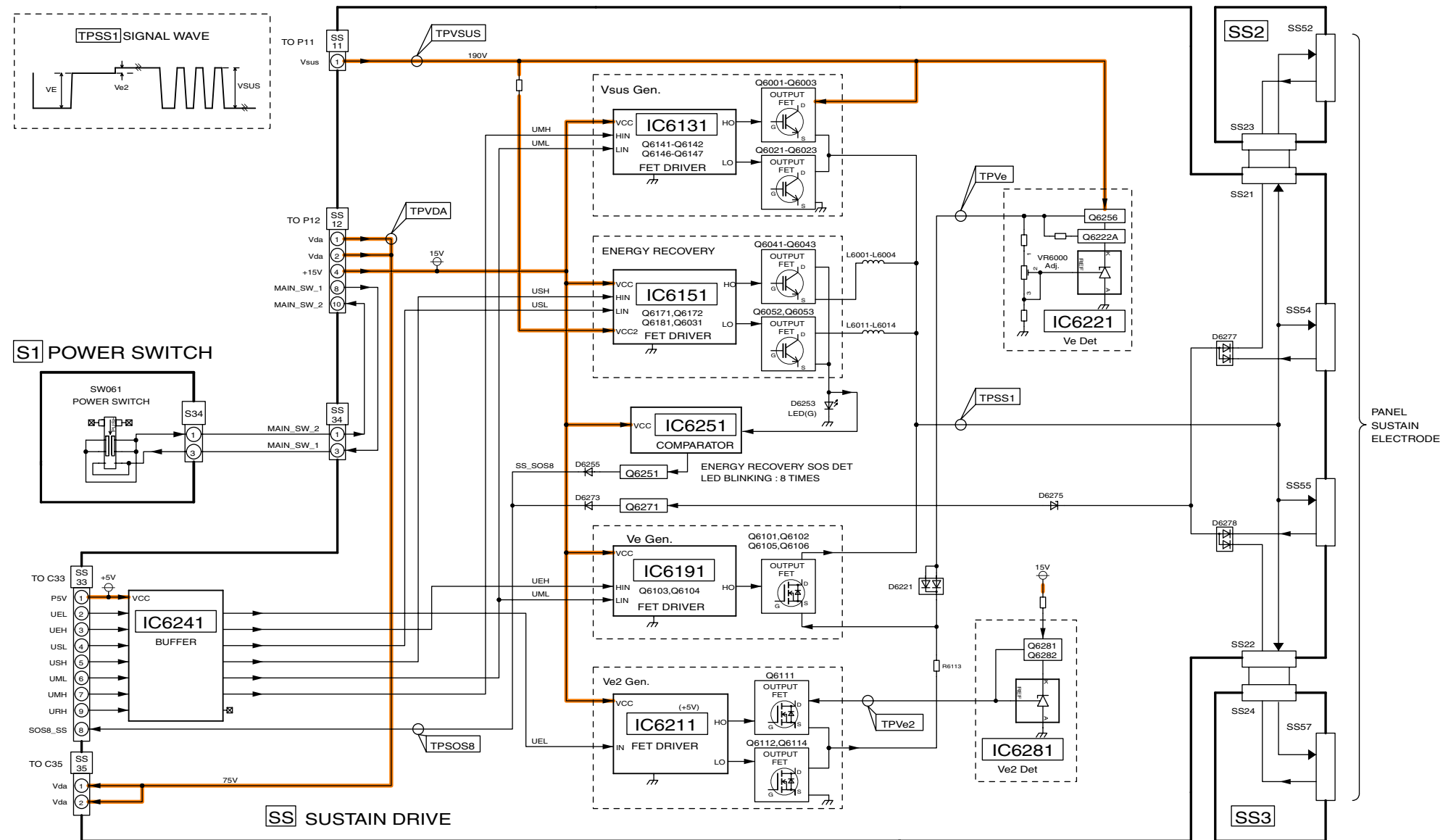
14.47. SD-Board (1 of 2) Schematic Diagram



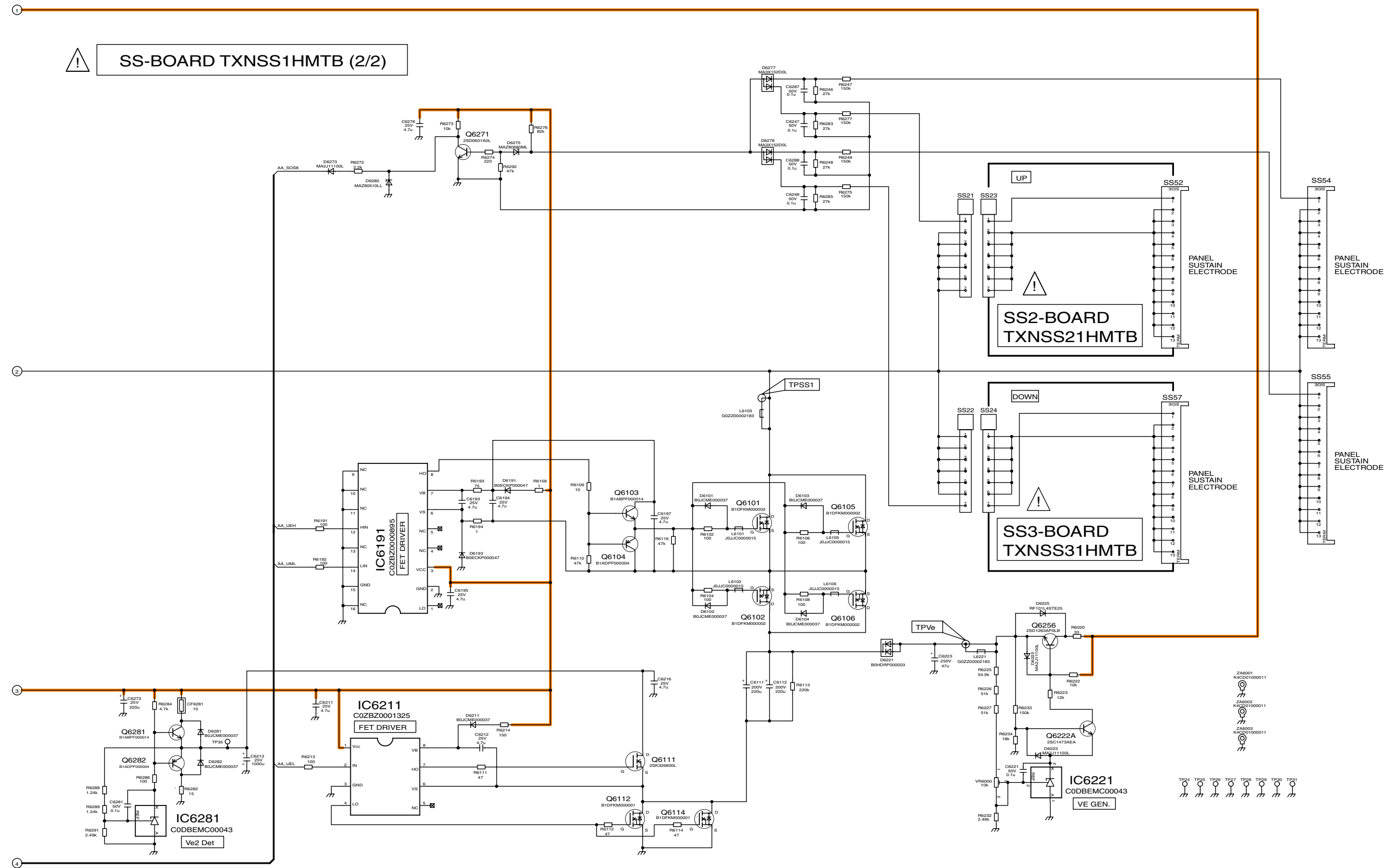
14.48. SD-Board (2 of 2) Schematic Diagram



14.49. SS, S1, SS2 and SS3-Board Block Diagram



14.51. SS-Board (2 of 2), SS2 and SS3-Board Schematic Diagram



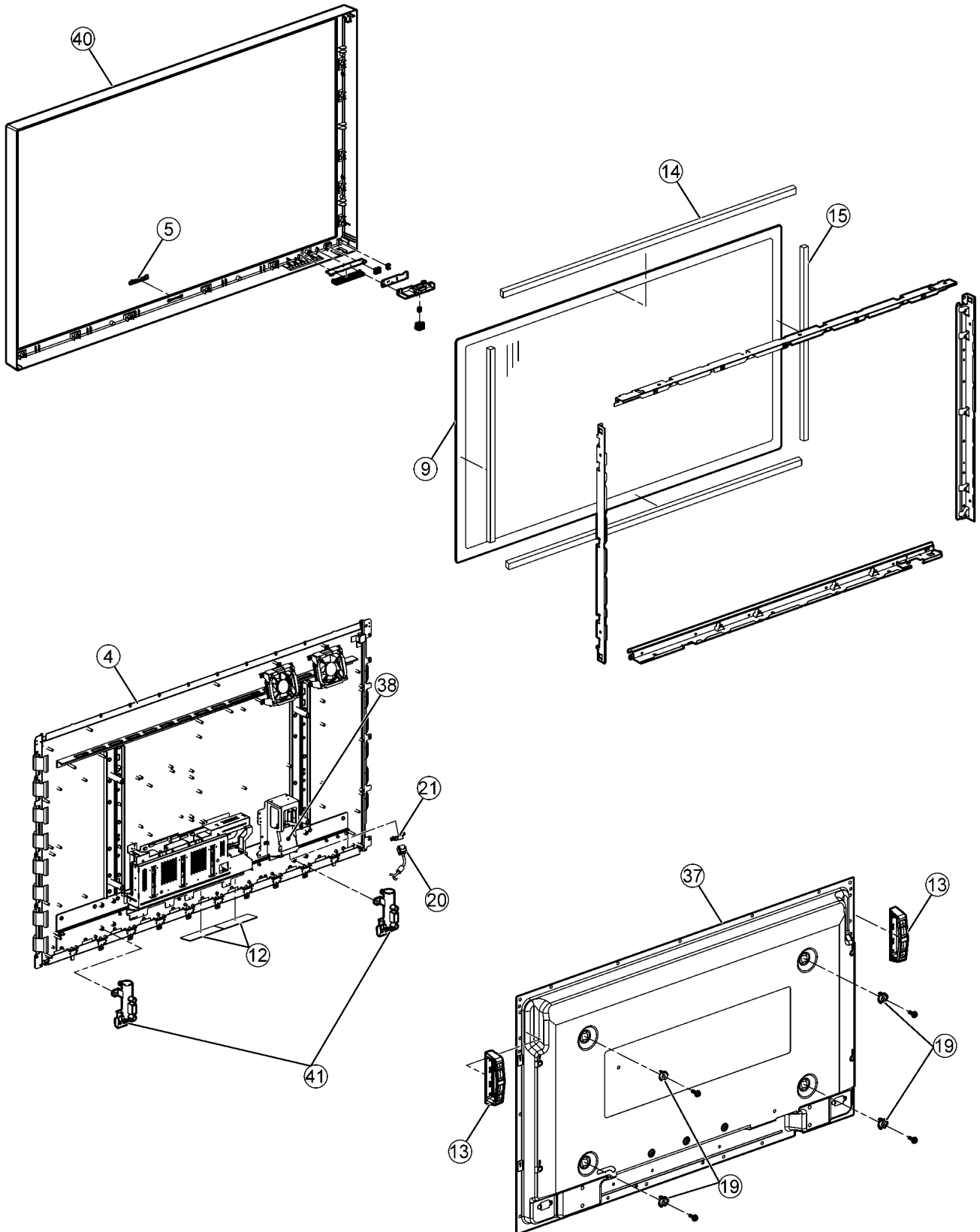
NOTE

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

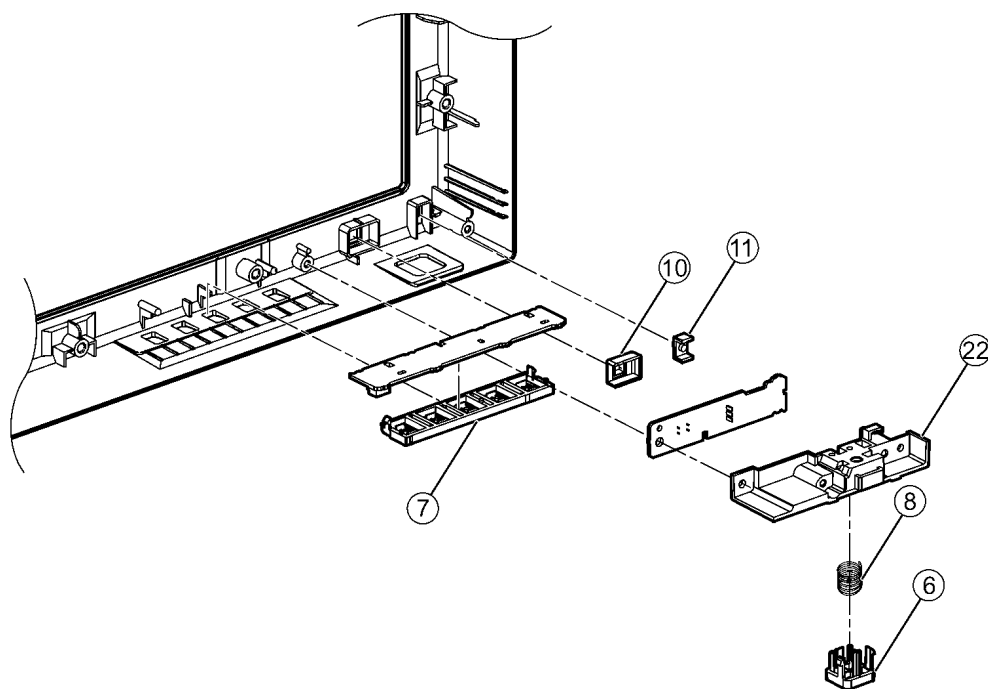
15 Parts Location

15.1. Exploded View

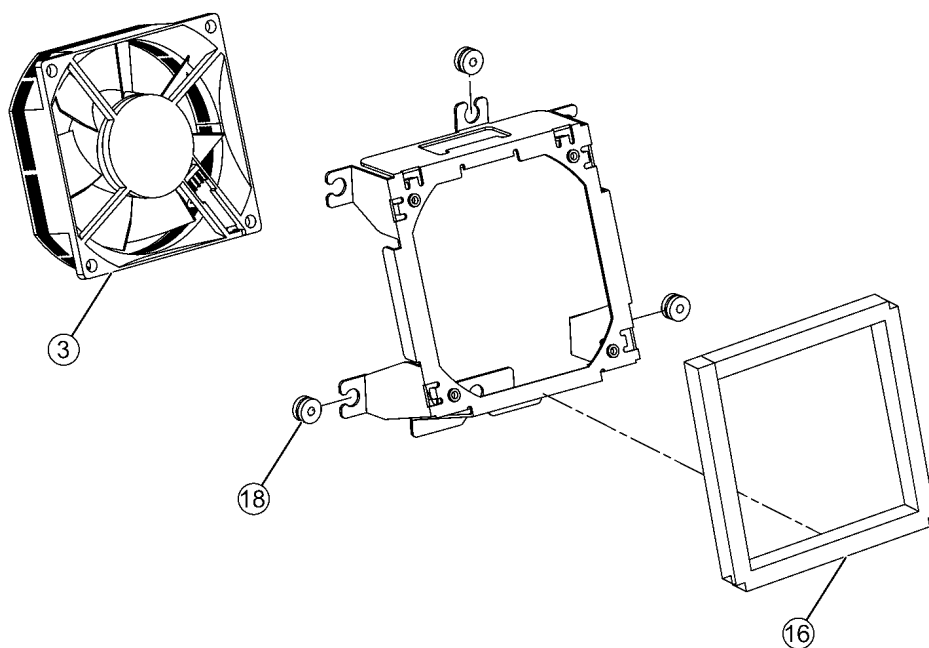
15.1.1. The main mechanical parts relation



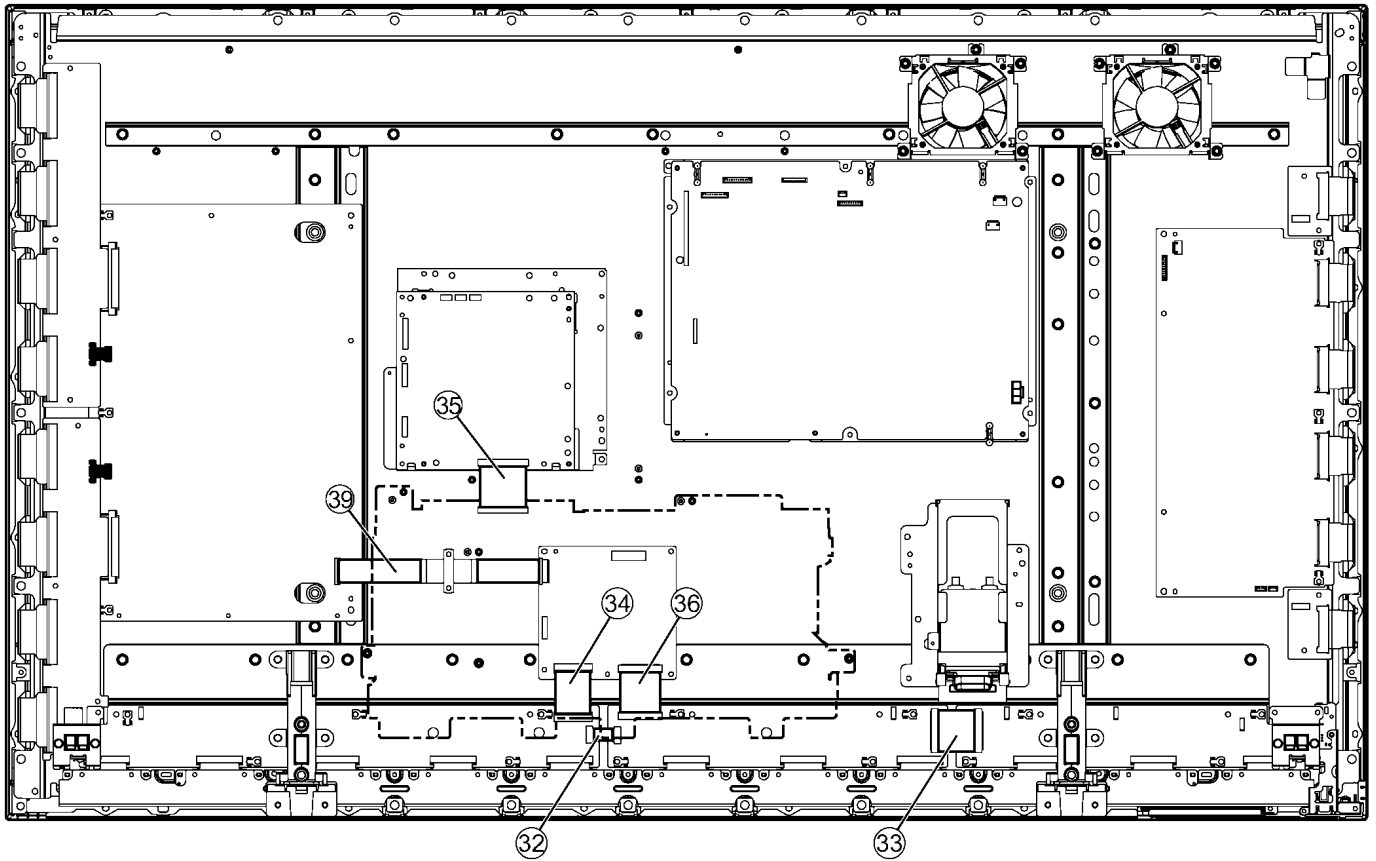
15.1.2. Escutcheon part location enlarged views of lower left side



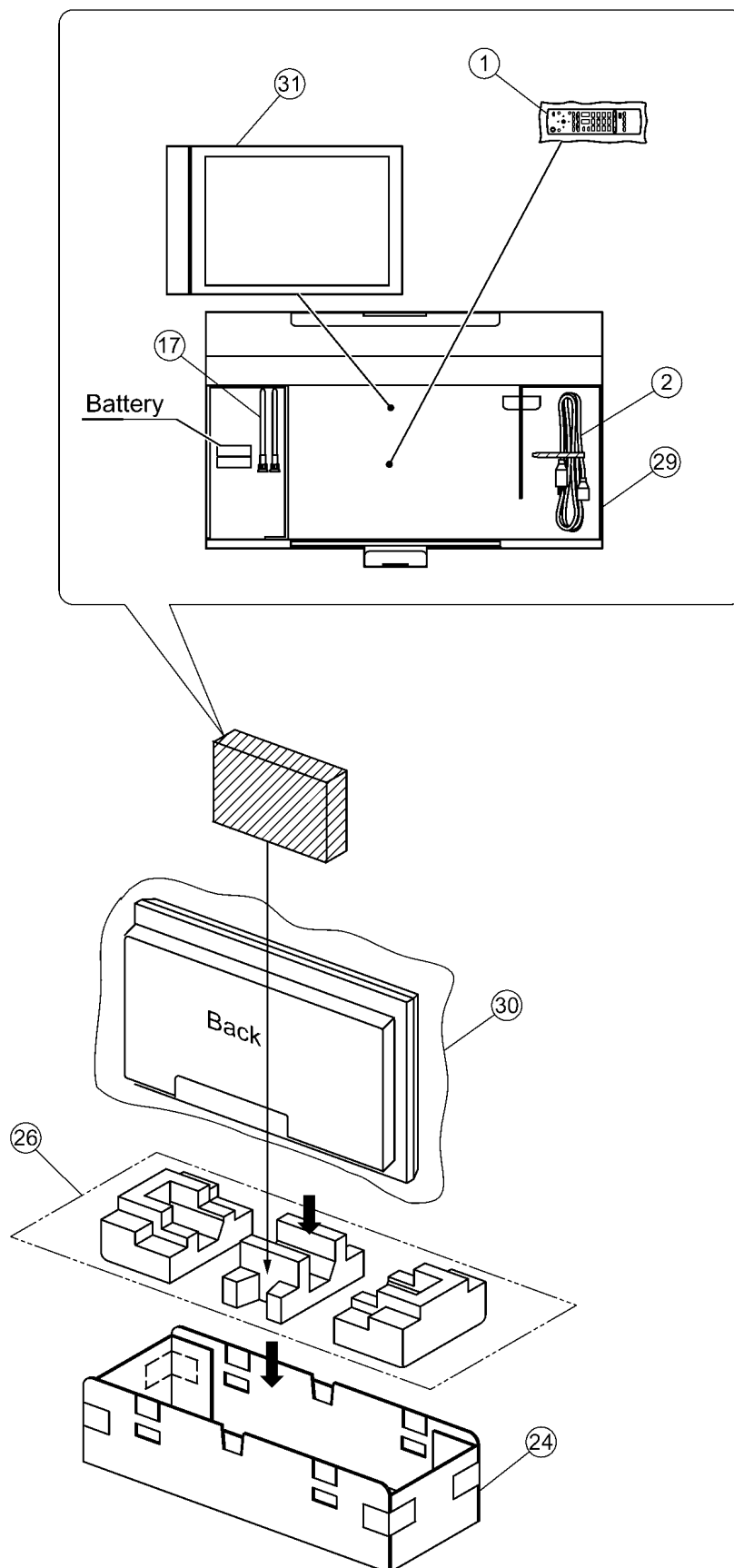
15.2. Fan part location enlarged views

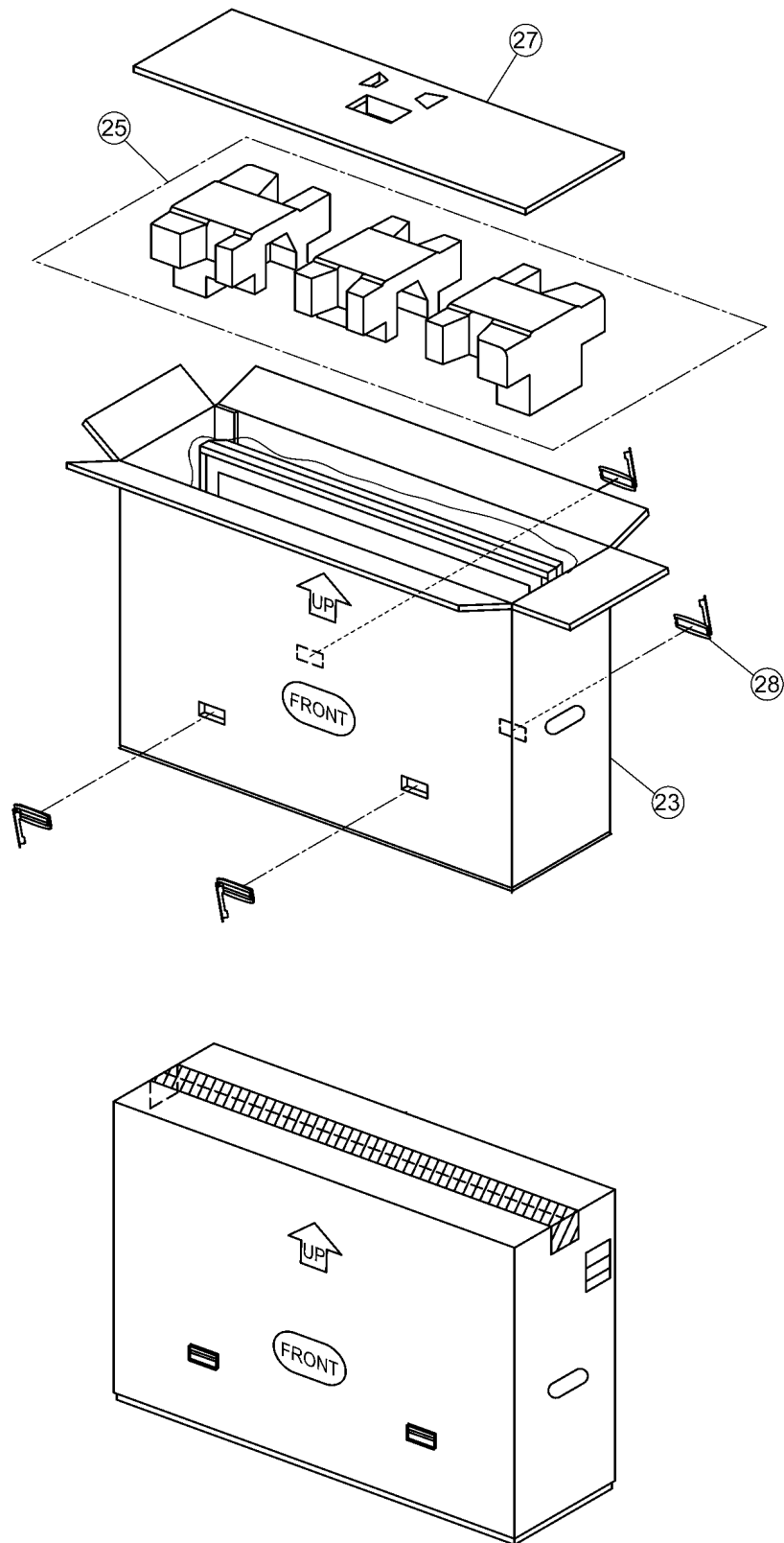


15.3. Cable relation



15.4. Packing summary





16 Mechanical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	EUR7636090R	REMOTE CONTROL	1	
2	K2CN3DH00006	AC CORD	1	EK/ES △
	K2CT3DH00018	AC CORD	1	BK/BS △
3	L6FAYYYH0050	FAN UNIT(80MM MMMC)	2	
4	MD50H10A1J	PLASMA DISPLAY PANEL	1	
5	TBMA227	PANASONIC BADGE	1	PAVCCZ
6	TBXA46601	POWER BUTTON	1	BK/EK
	TBXA46602	POWER BUTTON	1	BS/ES
7	TBXA46701A	5KEY BUTTON	1	BK/EK
	TBXA46702A	5KEY BUTTON	1	BS/ES
8	TESD031	SPRING	1	
9	TKGA5357	FRONT GLASS	1	PAVCCZ
10	TKKC5213	LED PANEL	1	
11	TKKC5276	REMOTE SENSOR PANEL	1	BK/EK PAVCCZ
	TKKC5280	REMOTE SENSOR PANEL	1	BS/ES PAVCCZ
12	TKKL5266	COVER	2	
13	TKRA20501	HANDLE	2	
14	TMKG558	SPONGE (TKG/UPPER/BOT TOM)	2	
15	TMKG559	SPONGE (TKG/LEFT/RIGH T)	2	
16	TMKG669	FAN SPONGE	2	
	TMM15414-2	CLAMPER	1	
	TMM16473-1	CLAMPER	1	
	TMM17434-2	CLAMPER	1	
	TMM17499	CLAMPER	1	△
	TMM25401	CLAMPER	2	
	TMM6463-1	CLAMPER	1	
	TMM7464-2	CLAMPER	3	
	TMM7468-1	CLAMPER	3	
	TMMD010	CLAMPER	1	
	TMME047	CLAMPER	3	
	TMME061	CLAMPER	2	
	TMME061	CLAMPER	2	
	TMME185	CLAMPER	2	
	TMME190	CLAMPER	1	
17	TMME203	CLAMPER	2	
	TMME217	CLAMPER	1	
	TMME228	CLAMPER	2	
	TMME260	CLAMPER	2	
	TMME260	CLAMPER	2	
	TMME261	CLAMPER	1	
18	TMMJ068	RUBBER (FAN)	6	
19	TMMX141	M8 SPACER	4	
20	TMMX169	AC CODE CLAMPER B	1	PAVCCZ
21	TMMX181	AC CODE CLAMPER A	1	PAVCCZ
22	TMWC015	POWER BUTTON BRACKET	1	
23	TPC0E67505	CARTON BOX TOP	1	PAVCCZ △
24	TPC0E67601	CARTON BOX BOTTOM	1	PAVCCZ
25	TPD0E0119-1	TOP CUSHION	1	PAVCCZ
26	TPD0E0120-2	BOTTOM CUSHION	1	PAVCCZ
27	TPD0E9009	TOP PAD	1	PAVCCZ
28	TPD169487	JOINT	4	
29	TPDF1197	ACCESSORIES BOX	1	
30	TPE0E4020	BAG	1	PAVCCZ
31	TQB0E0411A	INSTRUCTION BOOK (GERMAN)	1	EK/ES PAVCCZ △
	TQB0E0411B	INSTRUCTION BOOK (DUTCH)	1	EK/ES PAVCCZ △
	TQB0E0411C	INSTRUCTION BOOK (ITALIAN)	1	EK/ES PAVCCZ △
	TQB0E0411D	INSTRUCTION BOOK (FRENCH)	1	EK/ES PAVCCZ △
	TQB0E0411E	INSTRUCTION BOOK (SPANISH)	1	EK/ES PAVCCZ △
	TQB0E0411F	INSTRUCTION BOOK (SWEDISH)	1	EK/ES PAVCCZ △
	TQB0E0411K	INSTRUCTION BOOK (DANISH)	1	EK/ES PAVCCZ △
	TQB0E0411U	INSTRUCTION BOOK (ENGLISH)	1	EK/ES PAVCCZ △

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	TQB0E1413	INSTRUCTION BOOK (ENGLISH)	1	BK/BS PAVCCZ △
32	TSXL519	CABLE (C10-C20)	1	
33	TSXL554	CABLE (C22-C32)	1	
34	TSXL562	CABLE (D31-C11)	1	
35	TSXL584	CABLE (DS1-DN1)	1	
36	TSXL600	CABLE (D32-C21)	1	
37	TTUA1648	REAR COVER	1	BK PAVCCZ △
	TTUA1649	REAR COVER	1	BS PAVCCZ △
	TTUA1650	REAR COVER	1	EK PAVCCZ △
	TTUA1651	REAR COVER	1	ES PAVCCZ △
38	TXAJS010XET	AC INLET ASSY	1	PAVCCZ △
39	TXASX010XGT	CABLE ASSY (SC20-D20)	1	PAVCCZ
	TXFKK01ZMTW	EMI WASHER METAL ASSY	4	PAVCCZ
40	TXFKY010XET	CABINET ASSY	1	BK/EK PAVCCZ △
	TXFKY010XFT	CABINET ASSY	1	BS/ES PAVCCZ △
	TXFMM01ZQTU	P PCB PROTECTION ASSY	3	PAVCCZ
41	TXFMZ010XET	STAND BLOCK ASSY	2	PAVCCZ
	TXJSPL0XET	SPEAKER LEAD (DS8-H37)	1	PAVCCZ
	TXJSR0XET	SPEAKER LEAD (DS7-H37)	1	PAVCCZ
	XTB4+10JFJ	SCREW (VESA BRACKET) ROHS	22	
	THEA068N	SCREW	4	
	THEL0239	SCREW	12	
	THEL027N	SCREW	4	
	THEL037N	SCREW	1	
	THEL0429	SCREW	10	
	THTD013N	SCREW	6	
	THTD0179	SCREW	3	
	THTF011N	SCREW	96	
	XTV3+10GFJ	SCREW	6	
	XTV3+8JFJ	SCREW	6	
	XTW4+25DFJ	SCREW	14	PAVCCZ
	XYN3+F10FJ	SCREW	1	
	XYN3+F8FJ	SCREW	7	
	XYN3+J12FJ	SCREW	42	
	XYN3+J8FJ	SCREW	10	
	XYN4+E8FJ	SCREW	1	
	XYN4+F10FJ	SCREW	6	
	XYN4+F10FJK	SCREW	7	
	XYN4+F30FJK	SCREW	12	
	XYN5+C20FJ	SCREW	8	
	XYN8+F20FJK	SCREW	4	
	XZBT6506	POLY BAG	1	

17 Replacement Parts List

17.1. Replacement Parts List Notes

Important Safety Notice

*Components identified by \triangle mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.*

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.

After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W
 Type Allowance

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z, 50V
 Type Allowance

Type	Allowance
C : Carbon	F : $\pm 1\%$
F : Fuse	G : $\pm 2\%$
M : Metal Oxide	J : $\pm 5\%$
Metal Film	K : $\pm 10\%$
S : Solid	M : $\pm 20\%$
W : Wire Wound	

Type	Allowance
C : Ceramic	C : $\pm 0.25\text{pF}$
E : Electrolytic	D : $\pm 0.5\text{pF}$
P : Polyester	F : $\pm 1\text{pF}$
Polyprop	G : $\pm 3\text{pF}$
lene	J : $\pm 5\text{pF}$
T : Tantalum	K : $\pm 10\text{pF}$
	L : $\pm 15\text{pF}$
	M : $\pm 20\text{pF}$
	P : +100%, -0%
	Z : +80%, -20%

17.2. Electrical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
F101.10 2	K5D103BMA001	TIME LAG FUSE HIGH	2	△
F201	HU216005BP	CARTRIDGE FUSE	1	△
F301	HU216005BP	CARTRIDGE FUSE	1	△
F603	HU382T2	MICRO FUSE	1	△
A601,02	RA362MSV7	ARRESTOR	2	△
C10	K1MN20BA0231	20P CONNECTOR	1	
C11	K1MN55BA0076	55P CONNECTOR	1	
C20	K1MN20BA0231	20P CONNECTOR	1	
C21,22	K1MN68BA0076	68P CONNECTOR	2	
C32	K1MN68BA0076	68P CONNECTOR	1	
C33	K1KA10B00218	10P CONNECTOR	1	
C35	K1KA04BA0107	4P CONNECTOR	1	
C201	KZE1H560	ELECTROLYTIC CAPACITOR	1	
C202,03	RR3DD221K	CERAMIC CAPACITOR	2	
C204	MPEF12393H	PLASTIC FILM CAPACITOR	1	
C205	MPEF12473H	PLASTIC FILM CAPACITOR	1	
C251	MBB224K2	CERAMIC CHIP CAPACITOR	1	
C253	MBB224K2	CERAMIC CHIP CAPACITOR	1	
C254,55	ECQE6223KF	P 0.022UF, K, 400V	2	
C256-58	KMQ220901Z	ELECTROLYTIC CAPACITOR	3	
C301	KZE1H560	ELECTROLYTIC CAPACITOR	1	
C302,03	RR3DD101K	CERAMIC CAPACITOR	2	
C304	MPEF12333H	PLASTIC FILM CAPACITOR	1	
C351	ECQV1H224JL	PLASTIC FILM CAPACITOR	1	
C352	KZE1E182S	C 1800UF 25V	1	
C354	MBB224K2	CERAMIC CHIP CAPACITOR	1	
C355	ECJ2VB1H223K	C 0.022UF, K, 50V	1	
C356	MBB104K5	CERAMIC CHIP CAPACITOR	1	
C357,58	KZE1E471L	ELECTROLYTIC CAPACITOR	2	
C401,02	TAB104K2E	CERAMIC CHIP CAPACITOR	2	
C403	KMQ2C471H	ELECTROLYTIC CAPACITOR	1	
C404	KZE1H221	ELECTROLYTIC CAPACITOR	1	
C405	MBB224K2	CERAMIC CHIP CAPACITOR	1	
C406-08	KZE2A471S	C 470UF 100V	3	
C451	KZE1A471	ELECTROLYTIC CAPACITOR	1	
C501	ECQU2A103ML	PLASTIC FILM CAPACITOR	1	△
C503	KMQ2W560	ELECTROLYTIC CAPACITOR	1	
C504	KZE1H560	ELECTROLYTIC CAPACITOR	1	
C505	YBB474K1	CERAMIC CHIP CAPACITOR	1	
C506	TBB106K1A	C 10U 10V	1	
C507	KZE1H221	ELECTROLYTIC CAPACITOR	1	
C508	KZE1H560	ELECTROLYTIC CAPACITOR	1	
C509	ECKENA101KBR	C 100P 250V	1	△
C551	KZE1A471	ELECTROLYTIC CAPACITOR	1	
C552	TBB474K2	CERAMIC CHIP CAPACITOR	1	
C554	MBB103K5	CERAMIC CHIP CAPACITOR	1	
C555	KZE1E470	C 470U 25V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C556	MBB103K5	CERAMIC CHIP CAPACITOR	1	
C601	ECQU2A105ML	P 1UF, 250V	1	△
C602	ECQU2A104ML	PLASTIC FILM CAPACITOR	1	△
C603,04	ECKENA221KBR	C 221P 250V	2	△
C605	DE1R102K	CERAMIC CAPACITOR	1	
C606	MMXC2W105K	C 1P 450V	1	
C608	MMXC2W105K	C 1P 450V	1	
C610	MBB224K2	CERAMIC CHIP CAPACITOR	1	
C611	KZE1H560	ELECTROLYTIC CAPACITOR	1	
C612-14	KMQ2W221L	C 220U 450V	3	
C615	ECKENA101KBR	C 100P 250V	1	△
C620,21	ECKENA221KBR	C 221P 250V	2	△
C623	MPEF12223H	PLASTIC FILM CAPACITOR	1	
C624,25	RR3AD471K	CERAMIC CAPACITOR	2	
C701	KZE1A471	ELECTROLYTIC CAPACITOR	1	
C801	F2H1V221A004	E 220UF, 35V	1	
C802	F2H1E471A010	E 470UF, 25V	1	
C804	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C805,06	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C807	ECJ3YF1E225Z	C 2.2UF, Z, 25V	1	
C808	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C809	ECJ3XB1C225K	C 22UF, K, 16V	1	
C811	EEH1C471P	E 470UF, 16V	1	
C812	F2H1E471A010	E 470UF, 25V	1	
C814	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C815,16	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C817	ECJ3YF1E225Z	C 2.2UF, Z, 25V	1	
C818	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C819	ECJ3XB1C225K	C 22UF, K, 16V	1	
C821	EEH1C471P	E 470UF, 16V	1	
C822	F2H1E471A010	E 470UF, 25V	1	
C823	F1H1H390A831	C 39PF, K, 50V	1	
C824	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C825	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C827	ECJ3YF1E225Z	C 2.2UF, Z, 25V	1	
C828	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C829	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C831	EEH1C470P	C 47PF, J, 16V	1	
C832	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C833	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C834,35	EEH1C470P	C 47PF, J, 16V	2	
C837	F1J0J1060004	C 0.010UF, K, 16V	1	
C838	ECJ3XB1C225K	C 22UF, K, 16V	1	
C839	F1J0J1060004	C 0.010UF, K, 16V	1	
C840	ECJ3XB1C225K	C 22UF, K, 16V	1	
C841	F1J0J1060004	C 0.010UF, K, 16V	1	
C843	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C844	ECJ3XB1C225K	C 22UF, K, 16V	1	
C845	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C846	ECJ3XB1C225K	C 22UF, K, 16V	1	
C847	F1J0J1060004	C 0.010UF, K, 16V	1	
C848	ECJ3XB1C225K	C 22UF, K, 16V	1	
C855-57	ECJ1VB1H103K	C 0.001UF, K, 50V	3	
C858	F2H1E471A010	E 470UF, 25V	1	
C859	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C860	EEH1C471P	E 470UF, 16V	1	
C861	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C863	ECJ3YF1E225Z	C 2.2UF, Z, 25V	1	
C864	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C865	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C866,67	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C868,69	ECJ3XB1C225K	C 22UF, K, 16V	2	
C1530	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C2350,5 1	ECJ3XB1C225K	C 22UF, K, 16V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2352,53	F2G1H100A031	E 10UF, 50V	2	
C2354,55	EEHBL1V470P	E 47UF, 35V	2	
C2356,57	ECJ1VB1H102K	C 1000UF, Z, 50V	2	
C2358,59	EEHBP1V2R2R	E 2.2UF, 35V	2	
C2360,61	ECJ1XC1H102J	C 1000PF, J, 50V	2	
C2362,63	EEHBL1E471UP	C 470PF, J, 25V	2	
C2364,65	ECQV1H104JL	P 0.1UF, J, 50V	2	
C2366,67	ECJ3YB1E225K	C 2.2UF, K, 25V	2	
C2368,69	ECQV1H104JL	P 0.1UF, J, 50V	2	
C2370,71	F2G1H100A031	E 10UF, 50V	2	
C2373-75	ECJ1VB1E104K	C 0.10UF, K, 25V	3	
C2376,77	ECJ1VC1H150J	C 15PF, J, 50V	2	
C2378-82	ECJ1VB1E104K	C 0.10UF, K, 25V	5	
C2383	EEHBL1A101P	C 100PF, J, 10V	1	
C2384	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C2385	EEHBL1A101P	C 100PF, J, 10V	1	
C2386,87	EEHBP1H1R0R	C 1.0PF, J, 50V	2	
C2388	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C2389	EEHBL1A101P	C 100PF, J, 10V	1	
C2390	F2G1H100A031	E 10UF, 50V	1	
C2391	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C2392,93	FLJ1C1050030	C 1UF, Z, 16V	2	
C2394	F2G1H100A031	E 10UF, 50V	1	
C2395,96	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2397	EEHBL1A101P	C 100PF, J, 10V	1	
C2398-03	ECJ1VB1E104K	C 0.10UF, K, 25V	6	
C2404	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2405,06	FIH0J2250008	C 2.2UF, K, 16V	2	
C2407,08	FIJ0J1060004	C 0.010UF, K, 16V	2	
C2409,10	FIH1H181A792	E 180UF, 50V	2	
C2411	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C2412,13	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2420	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C2425,26	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C3001	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3004	EEHBL1C470P	C 47PF, J, 16V	1	
C3009-10	ECJ1VB1E104K	C 0.10UF, K, 25V	3	
C3009-11	ECJ1VB1E104K	C 0.10UF, K, 25V	3	
C3012-17	ECJ1VB1H103K	C 0.001UF, K, 50V	6	
C3018	EEHBL1C470P	C 47PF, J, 16V	1	
C3019	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C3020-31	ECJ3XB1C225K	C 22UF, K, 16V	12	
C3032	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C3033-35	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C3040,41	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C3042,43	EEHBL1C100R	C 10PF, J, 16V	2	
C3051-58	ECJ1XF1C105Z	C 1UF, Z, 16V	8	
C3101	ECJ3XB1C225K	C 22UF, K, 16V	1	
C3103	ECJ3XB1C225K	C 22UF, K, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3105-08	ECJ1VF1C104Z	C 0.1UF, Z, 16V	4	
C3110	ECJ3XB1C225K	C 22UF, K, 16V	1	
C3111,12	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C3113	EEHBL1C470P	C 47PF, J, 16V	1	
C3114	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C3115	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C3134-36	EEHBL1C471P	E 470UF, 16V	3	
C3143,44	ECJ3XB1C225K	C 22UF, K, 16V	2	
C3146	ECJ3XB1C225K	C 22UF, K, 16V	1	
C3153	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C3200	FIJ1C1050030	C 1UF, Z, 16V	1	
C3201-03	FIJ0J1060004	C 0.010UF, K, 16V	3	
C3204,05	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C3301-04	ECJ1XC1H561J	C 560PF, J, 50V	4	
C3305	ECJ3YB1A106M	C 10UF, M,6.3V	1	
C3306	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3307	ECJ3YB1A106M	C 10UF, M,6.3V	1	
C3308	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3309	EEHBL1C470P	C 47PF, J, 16V	1	
C3310	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3311	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3312	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3313,14	ECJ3YB1A106M	C 10UF, M,6.3V	2	
C3315	EEHBL1C470P	C 47PF, J, 16V	1	
C3316	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3317,18	ECJ3YB1A106M	C 10UF, M,6.3V	2	
C3319,20	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3321,22	ECJ1VC1H100C	C 10PF, C, 50V	2	
C3325,26	ECJ1XC1H470J	C 47PF, J, 50V	2	
C3327,28	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3329,30	ECJ1VB1H102K	C 1000UF, Z, 50V	2	
C3331,32	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C3333	EEHBL0J470R	C 47PF, J, 6.3V	1	
C3334-36	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C3337	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3339,40	ECJ1VC1H330J	C 33PF, J, 50V	2	
C3341,42	ECJ1XC1H680J	C 68PF, J, 50V	2	
C3343	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3344	ECJ1VB0J105K	C 1UF, K, 16V	1	
C3345	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3346-60	ECJ1XB1C104K	C 0.1UF, Z, 16V	15	
C3361	ECJ1VC1H330J	C 33PF, J, 50V	1	
C3362-68	ECJ1XB1C104K	C 0.1UF, Z, 16V	7	
C3369	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3370-74	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C3375	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3376-04	ECJ1XB1C104K	C 0.1UF, Z, 16V	29	
C3404	ECJ2VF1C104K	C 0.1UF, Z, 16V	1	(HU)
C3404	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	(HX)
C3405	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HU)
C3405	ECJ3YB1E106M	C 10 UF, K, 25V	1	(HX)
C3406	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HU)
C3406	ECJ3YB1E106M	C 10 UF, K, 25V	1	(HX)
C3407,08	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3409	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	(HU)
C3409	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	(HX)
C3410-12	ECJ1VB1H102K	C 1000UF, Z, 50V	3	
C3413-15	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C3416,17	ECJ1VB1H102K	C 1000UF, Z, 50V	2	
C3418,19	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3420	ECJ1VC1H180J	C 18PF, J, 50V	1	
C3422	EEH0J470R	C 47PF, J, 6.3V	1	
C3423	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3424	EEH0C470P	C 47PF, J, 16V	1	
C3425	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3426	EEH0C470P	C 47PF, J, 16V	1	
C3427-31	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C3432-36	ECJ1VB1H103K	C 0.001UF, K, 50V	5	
C3437	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3438	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3440-42	EEH0J470R	C 47PF, J, 6.3V	3	
C3443	ECGRL0G680ER	C 68PF, J, 4V	1	
C3444,45	EEH0J470R	C 47PF, J, 6.3V	2	
C3446	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3447	ECJ1VB0J105K	C 1UF, K, 16V	1	
C3448	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3450	ECJ1XF1C105Z	C 1UF, Z, 16V	1	
C3451	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3523	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C3524	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C3550	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C3551,52	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C3561,62	F1J1C1050030	C 1UF, Z, 16V	2	
C4001,02	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C4003	F1H1H822A219	E 8200UF, 50V	1	
C4004	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C4006	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C4007-09	F1J1E104A137	C 0.10UF, Z, 25V	3	
C4010	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C4011-13	ECJ1VF1C104Z	C 0.1UF, Z, 16V	3	
C4016	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C4017	ECJ2FB0J106K	C 10UF, Z, 6.3V	1	
C4018,19	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C4020,21	ECJ2FB0J106K	C 10UF, Z, 6.3V	2	
C4022	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C4024	ECJ2FB0J106K	C 10UF, Z, 6.3V	1	
C4027	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C4031,32	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C4051	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C4201	EEH0C470P	C 47PF, J, 16V	1	
C4202-13	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C4219-22	ECJ2FB0J106K	C 10UF, Z, 6.3V	4	
C4225	ECJ2FB0J106K	C 10UF, Z, 6.3V	1	
C4227	ECJ2FB0J106K	C 10UF, Z, 6.3V	1	
C4301	F2G0J470A019	E 47UF 6.3V	1	
C4302	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4303,04	ECJ1VB1H102K	C 1000UF, Z, 50V	2	
C4305,06	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C4307	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C4308	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4309	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4310	F1K0J226A008	C 22UF, K, 6.3V	1	
C4311	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4312	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4313	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C4315	F1K0J226A008	C 22UF, K, 6.3V	1	
C4351	F2H1E221A007	E 220UF, 25V	1	
C4352	ECJ3XF1E105Z	C 1UF, Z, 25V	1	
C4354	EEH0C471P	E 470UF, 16V	1	
C4358	F1J1C1050030	C 1UF, Z, 16V	1	
C4366	F1J1A1050016	C 1UF, Z, 10V	1	
C4502	ECJ2FB0J106K	C 10UF, Z, 6.3V	1	
C4503,04	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C4505,06	ECJ1VC1H120J	C 12PF, J, 50V	2	
C4541	F1H1H8R0A503	E 8.0UF, 50V	1	
C4543	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4544	EEH0G221P	E 220UF, 4V	1	
C4545	ECJ2FB0J106K	C 10UF, Z, 6.3V	1	
C4546,47	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C4548,49	ECJ2FB0J106K	C 10UF, Z, 6.3V	2	
C4550,51	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C4552	ECJ2FB0J106K	C 10UF, Z, 6.3V	1	
C4553-97	ECJ1VF1C104Z	C 0.1UF, Z, 16V	45	
C4598	EEH0G221P	E 220UF, 4V	1	
C4599-14	ECJ1XB1C104K	C 0.1UF, Z, 16V	16	
C4629	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4701	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4703	ECJ2FB0J106K	C 10UF, Z, 6.3V	1	
C4704-19	ECJ1XB1C104K	C 0.1UF, Z, 16V	16	
C4733	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C4742	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4743	TCUY1C105ZFN	C 1UF, 16V	1	
C4744	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C4749,50	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C4751,52	ECJ1VC1H150J	C 15PF, J, 50V	2	
C4753	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C4754	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C4803	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C4804	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C4861	TCUY1C105ZFN	C 1UF, 16V	1	
C4862	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4863	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C4864	ECJ1XC1H101J	C 100PF, J, 50V	1	
C4865	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C4866	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C4871	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C4881,82	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C4884,85	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C4886	ECJ1XC1H101J	C 100PF, J, 50V	1	
C4887	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4901,02	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C4903	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4904,05	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C4906	F1H1H822A219	E 8200UF, 50V	1	
C4907	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C4908	F1H1H151A792	E 150UF, 50V	1	
C4909	F1H1H822A219	E 8200UF, 50V	1	
C4910,11	ECJ1VB1H103K	C 0.001UF, K, 50V	2	
C4912	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C4913	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C4914	EEH0C470P	C 47PF, J, 16V	1	
C4915	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4917	EEHBC1C470P	C 47PF, J, 16V	1	
C4918	FIH0J4750004	C 4.7UF, K, 16V	1	
C4919,2	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C4921	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C4923,2	ECGRLOG680ER	C 68PF, J, 4V	2	
C4930	ECJ2FB0J106K	C 10UF, Z, 6.3V	1	
C4932	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C4940	ECJ2FB0J106K	C 10UF, Z, 6.3V	1	
C4943	ECJ1VC1H680J	C 68PF, J, 50V	1	
C4990	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4991	ECJ2FB0J106K	C 10UF, Z, 6.3V	1	
C4992,9	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C4994,9	ECJ2FB0J106K	C 10UF, Z, 6.3V	2	
C4996	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C4997	ECJ2FB0J106K	C 10UF, Z, 6.3V	1	
C4998	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C4999	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C6001	FIL2J562A022	C 5600UF, K, 6.3V	1	
C6011-16	F2A2T201A002	E 200UF,	6	
C6023	FIL2J562A022	C 5600UF, K, 6.3V	1	
C6031	F0C2E405A176	E 0.040UF, 250V	1	
C6037	FIL1E4750004	C 4.7UF, 25V	1	
C6111,1	F2A2D221A022	E 220UF, 200V	2	
C6132	FIL1E4750004	C 4.7UF, 25V	1	
C6134,3	FIL1E4750004	C 4.7UF, 25V	2	
C6151	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6152-54	FIL1E4750004	C 4.7UF, 25V	3	
C6193-95	FIL1E4750004	C 4.7UF, 25V	3	
C6197	FIL1E4750004	C 4.7UF, 25V	1	
C6201-04	F0C2E405A176	E 0.040UF, 250V	4	
C6211,1	FIL1E4750004	C 4.7UF, 25V	2	
C6213	F2A1E102A220	E 1000UF, 25V	1	
C6216	FIL1E4750004	C 4.7UF, 25V	1	
C6221	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6223	F2A2E470A022	E 47UF, 250V	1	
C6241	F2A1A101A439	E 100UF, 10V	1	
C6242	FIH1C105A072	C 1UF, K, 16V	1	
C6243	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6247,4	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6251	FIH1C105A072	C 1UF, K, 16V	1	
C6252	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6261,6	F2A2A471A072	E 470UF, 100V	2	
C6272,7	F2A1E221A487	E 220UF, 25V	2	
C6276	FIL1E4750004	C 4.7UF, 25V	1	
C6281	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6287,8	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6402-04	FIL2J222A022	C 2200UF, K, 6.3V	3	
C6411-16	F2A2T201A002	E 200UF,	6	
C6421-24	FIL2J222A022	C 2200UF, K, 6.3V	4	
C6431	F0C2E405A176	E 0.040UF, 250V	1	
C6471	FIL2J1020001	C 1000UF, K, 6.3V	1	
C6472	ECJ2XC1H101J	C 100PF, J, 50V	1	
C6480	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6481,8	FIL1E4750004	C 4.7UF, 25V	2	
C6485	FIL1E4750004	C 4.7UF, 25V	1	
C6491	FIL2J1020001	C 1000UF, K, 6.3V	1	
C6499	FIH1C105A072	C 1UF, K, 16V	1	
C6500	ECJ3YB1E105K	C 1UF, K, 25V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6502	FIL1E4750004	C 4.7UF, 25V	1	
C6504,0	FIL1E4750004	C 4.7UF, 25V	2	
C6521	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6522	FIL1E4750004	C 4.7UF, 25V	1	
C6524,2	FIL1E4750004	C 4.7UF, 25V	2	
C6527	FIL1E4750004	C 4.7UF, 25V	1	
C6531-34	F0C2E405A176	E 0.040UF, 250V	4	
C6561	F2A1A101A439	E 100UF, 10V	1	
C6562	FIH1C105A072	C 1UF, K, 16V	1	
C6563	F2A1A101A439	E 100UF, 10V	1	
C6564	FIH1C105A072	C 1UF, K, 16V	1	
C6565,6	ECJ2VB1H103K	C 0.01UF, K, 50V	2	
C6571,7	FIL2J1020001	C 1000UF, K, 6.3V	2	
C6579	F2A2T201A002	E 200UF,	1	
C6581	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6582	FIH1C105A072	C 1UF, K, 16V	1	
C6592	F2A1E221A487	E 220UF, 25V	1	
C6593	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6594	F2A1E221A487	E 220UF, 25V	1	
C6603,0	F1K2J102A014	C 1000UF, K, 6.3V	2	
C6605,0	FIL2J472A022	C 4700UF, K, 6.3V	2	
C6620,2	ECKD3A392KBP	C 3900PF, K, 1KV	2	
C6641	ECQE2105RKB	P 1UF, 250V	1	
C6661,6	F1K2J102A014	C 1000UF, K, 6.3V	2	
C6671	FIL1E4750004	C 4.7UF, 25V	1	
C6692	ECA2CM101	E 100UF, 160V	1	
C6694	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6695	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6702-06	ECJ2XB1H104K	C 0.1UF, K, 50V	5	
C6708	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6721	F2A1H101A493	E 100UF, 50V	1	
C6722	ECJ2XC1H101J	C 100PF, J, 50V	1	
C6723-25	FIL1E4750004	C 4.7UF, 25V	3	
C6726,2	FIH1C105A072	C 1UF, K, 16V	2	
C6752	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6753	FIL1E4750004	C 4.7UF, 25V	1	
C6755,5	FIL1E4750004	C 4.7UF, 25V	2	
C6771	FIH1C105A072	C 1UF, K, 16V	1	
C6772,7	FIL1E4750004	C 4.7UF, 25V	2	
C6775	FIL1E4750004	C 4.7UF, 25V	1	
C6776,7	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6791	F2A1E221A487	E 220UF, 25V	1	
C6795,9	F2A1E221A487	E 220UF, 25V	2	
C6802	ECQE6223KF	P 0.022UF, K, 400V	1	
C6803	ECKD3D221KBP	C 220PF, K, 2KV	1	
C6804	F2A2E100A022	E 10UF, 250V	1	
C6805	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6806	ECA2CM101	E 100UF, 160V	1	
C6807	ECJ2XC1H471J	C 470PF, J, 50V	1	
C6811	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6812	FIL1E4750004	C 4.7UF, 25V	1	
C6813	ECA2CM101	E 100UF, 160V	1	
C6814	F2A1E221A487	E 220UF, 25V	1	
C6815	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6822	F2A2G470A018	E 470UF, 400V	1	
C6823	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6832	ECJ2XB1H392K	C 3900PF, K, 50V	1	
C6841	ECA2DHG101	E 100UF, 200V	1	
C6842	ECA2CM101	E 100UF, 160V	1	
C6845	ECJ2XB1H104K	C 0.1UF, K, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6861	F1H1C105A072	C 1UF, K, 16V	1	
C6862	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6863	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6871	F1H1C105A072	C 1UF, K, 16V	1	
C6872	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6873	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6884	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6901	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6902	TCUY1C105ZFN	C 1UF, 16V	1	
C6904	TCUY1C105ZFN	C 1UF, 16V	1	
C6906	TCUY1C105ZFN	C 1UF, 16V	1	
C6908	TCUY1C105ZFN	C 1UF, 16V	1	
C6910	TCUY1C105ZFN	C 1UF, 16V	1	
C6912	TCUY1C105ZFN	C 1UF, 16V	1	
C6923,24	F1L2E1040002	E 1000UF, 25V	2	
C6929,30	F1L2E1040002	E 1000UF, 25V	2	
C6931	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6932,33	F1L2E1040002	E 1000UF, 25V	2	
C6936,37	ECJ2VB1H221K	C 220PF, K, 50V	2	
C6951	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6952	TCUY1C105ZFN	C 1UF, 16V	1	
C6955	TCUY1C105ZFN	C 1UF, 16V	1	
C6957,58	TCUY1C105ZFN	C 1UF, 16V	2	
C6961	TCUY1C105ZFN	C 1UF, 16V	1	
C6963	TCUY1C105ZFN	C 1UF, 16V	1	
C6974,75	F1L2E1040002	E 1000UF, 25V	2	
C6981	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6982-85	F1L2E1040002	E 1000UF, 25V	4	
C6986,87	ECJ2VB1H221K	C 220PF, K, 50V	2	
C7103	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7105	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7106-08	ECJ1XC1H101J	C 100PF, J, 50V	3	
C7110,11	F1H1C105A072	C 1UF, K, 16V	2	
C7114,15	F1H1C105A072	C 1UF, K, 16V	2	
C7117-22	F1K2A474A006	C 0.47UF, 6.3V	6	
C7124,25	F1H1C105A072	C 1UF, K, 16V	2	
C7127,28	F1K2A474A006	C 0.47UF, 6.3V	2	
C7130,31	F1H1C105A072	C 1UF, K, 16V	2	
C7133	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7134,35	F1K2A474A006	C 0.47UF, 6.3V	2	
C7137,38	F1H1C105A072	C 1UF, K, 16V	2	
C7140	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7141	F1H1C105A072	C 1UF, K, 16V	1	
C7201	F1H1C105A072	C 1UF, K, 16V	1	
C7203	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7206	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7209,10	F1K2A474A006	C 0.47UF, 6.3V	2	
C7212,13	F1H1C105A072	C 1UF, K, 16V	2	
C7215-17	ECJ1XC1H101J	C 100PF, J, 50V	3	
C7219,20	F1H1C105A072	C 1UF, K, 16V	2	
C7222-25	F1K2A474A006	C 0.47UF, 6.3V	4	
C7227,28	F1H1C105A072	C 1UF, K, 16V	2	
C7230	F1H1C105A072	C 1UF, K, 16V	1	
C7231	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7301	F1K2A474A006	C 0.47UF, 6.3V	1	
C7305,06	F1K2A474A006	C 0.47UF, 6.3V	2	
C7308,09	F1H1C105A072	C 1UF, K, 16V	2	
C7311	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7312,13	F1K2A474A006	C 0.47UF, 6.3V	2	
C7315,16	F1H1C105A072	C 1UF, K, 16V	2	
C7318	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7319,20	F1K2A474A006	C 0.47UF, 6.3V	2	
C7322,23	F1H1C105A072	C 1UF, K, 16V	2	
C7325	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7326	F1H1C105A072	C 1UF, K, 16V	1	
C7328	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7330	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7332	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7334	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C8003	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C8005	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8007	ECJ1XC1H101J	C 100PF, J, 50V	1	
C8009	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C8013	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C8015	ECJ3YF1A106Z	C 10UF, Z, 10V	1	
C8016	ECJ3YB1A475K	C 0.047UF, K, 10V	1	
C8019	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8021	ECJ3VB1C474K	C 0.47UF, K, 16V	1	
C8023	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8025	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8027	ECJ3XB1C225K	C 22UF, K, 16V	1	
C8029	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8030	EEH1B1C470P	C 47PF, J, 16V	1	
C8033	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C8035	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C8036	ECJ1XC1H101J	C 100PF, J, 50V	1	
C8038	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C8045	F1J1C1050030	C 1UF, Z, 16V	1	
C8049	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8051	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C8070	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C8072,73	ECJ3YF1A106Z	C 10UF, Z, 10V	2	
C8074,75	ECJ1XC1H102J	C 1000PF, J, 50V	2	
C8080-83	ECJ1VF1C104Z	C 0.1UF, Z, 16V	4	
C8084	TCUY1C105ZFN	C 1UF, 16V	1	
C8100	EEH1B1C470P	C 47PF, J, 16V	1	
C8101	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8102,03	EEH1B1C470P	C 47PF, J, 16V	2	
C8106	EEH1B1C470P	C 47PF, J, 16V	1	
C8107	EEH1B1C471P	E 470UF, 16V	1	
C8108,09	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C8111-13	ECJ1VF1C104Z	C 0.1UF, Z, 16V	3	
C8115	EEH1B1C470P	C 47PF, J, 16V	1	
C8116	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8120	F2H1E471A010	E 470UF, 25V	1	
C8121	ECJ3YF1E225Z	C 2.2UF, Z, 25V	1	
C8122	EEH1B1C470P	C 47PF, J, 16V	1	
C8123	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C8181,82	ECJ1VC1H150J	C 15PF, J, 50V	2	
C8183	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C8185	EECS5R5H155	E 1.5UF, 5.5V	1	
C8200	EEH1B1C470P	C 47PF, J, 16V	1	
C9028,29	F1J1A106A043	C 0.010UF, K, 10V	2	
C9033,34	F1G1C104A083	C 0.10UF, K, 16V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9035,36	FIJ1A106A043	C 0.010UF, K, 10V	2	
C9037	FI1G1E1030005	C 0.01UF, Z, 25V	1	
C9039	FIJ1A106A043	C 0.010UF, K, 10V	1	
C9040	FI1G1C104A083	C 0.10UF, K, 16V	1	
C9044	ECJ2YB0J475K	C 3.3UF, Z, 4.7V	1	
C9045-53	FI1G1C104A083	C 0.10UF, K, 16V	9	
C9055-57	FI1G1C104A083	C 0.10UF, K, 16V	3	
C9058	FIJ1A106A043	C 0.010UF, K, 10V	1	
C9061	FI1G1C104A077	C 0.10UF, K, 16V	1	
C9062	ECJ2YB0J475K	C 3.3UF, Z, 4.7V	1	
C9063	FI1G1C104A083	C 0.10UF, K, 16V	1	
C9468	FI1G1E1030005	C 0.01UF, Z, 25V	1	
C9469	FI1G1C104A083	C 0.10UF, K, 16V	1	
C9500	FI1G1C104A077	C 0.10UF, K, 16V	1	
C9505	FI1G1C104A077	C 0.10UF, K, 16V	1	
C9508	FI1G1C104A077	C 0.10UF, K, 16V	1	
C9509,10	FI1G1H120A565	E 12UF, 50V	2	
C9511	FIJ1A106A043	C 0.010UF, K, 10V	1	
C9516-25	FI1G1C104A077	C 0.10UF, K, 16V	10	
C9526	FIJ1A106A043	C 0.010UF, K, 10V	1	
C9527,28	FI1G1C104A077	C 0.10UF, K, 16V	2	
C9531	FIJ1A106A043	C 0.010UF, K, 10V	1	
C9559-64	FI1G1C104A077	C 0.10UF, K, 16V	6	
C9823	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9825	FI1G1H101A565	C 100PF, K, 50V	1	
C9832	FIJ1A106A043	C 0.010UF, K, 10V	1	
C9837	FIJ1A106A043	C 0.010UF, K, 10V	1	
C9838	FI1G1C104A083	C 0.10UF, K, 16V	1	
C9840	FI1G1E1030005	C 0.01UF, Z, 25V	1	
C9841-43	FI1G1C104A083	C 0.10UF, K, 16V	3	
C9844	FI1G1E1030005	C 0.01UF, Z, 25V	1	
C9845,46	FI1G1C104A083	C 0.10UF, K, 16V	2	
C9858	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9859	FI1G1E1030005	C 0.01UF, Z, 25V	1	
C9860	ECJ2YB0J475K	C 3.3UF, Z, 4.7V	1	
C9861,62	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C9863	ECJ2YB0J475K	C 3.3UF, Z, 4.7V	1	
C9864	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C9865,66	ECGRL0G680ER	C 68PF, J, 4V	2	
C9867-72	ECJ3YB1E106M	C 10 UF, K, 25V	6	
C9873	ECGRL0G680ER	C 68PF, J, 4V	1	
C9874	FI1G1H680A565	E 68UF, 50V	1	
C9877	FI1G1H680A565	E 68UF, 50V	1	
C9878	FI1G1E1030005	C 0.01UF, Z, 25V	1	
C9879,80	FI1G1E822A086	C 8200UF, Z, 25V	2	
C9881	FI1G1E1030005	C 0.01UF, Z, 25V	1	
C9882	FI1G1E822A086	C 8200UF, Z, 25V	1	
C9883	FI1G1H101A565	C 100PF, K, 50V	1	
C9884,85	FI1G1H1020008	E 1000UF, 50V	2	
C9886,87	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C9888	FI1G1H361A565	E 360UF, 50V	1	
C9900-25	FI1G1C104A077	C 0.10UF, K, 16V	26	
C9927-51	FI1G1C104A077	C 0.10UF, K, 16V	25	
C9955-59	FI1G1C104A077	C 0.10UF, K, 16V	5	
C9960-64	FIJ1A106A043	C 0.010UF, K, 10V	5	
C9966,67	FI1G1C104A077	C 0.10UF, K, 16V	2	
CB1-11	K1MN68BA0052	68P CONNECTOR	11	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
CF6281	D4DA91000001	THERMISTOR	1	
D5	K1KB31BA0064	31P CONNECTOR	1	
D6	K1KA21A00011	21P CONNECTOR	1	
D9	K1KA07A00292	7P CONNECTOR	1	
D20	K1KY30BA0090	30P CONNECTOR	1	
D25	K1KA13B00069	13P CONNECTOR	1	
D31	K1MN55BA0257	55P CONNECTOR	1	
D32	K1MN68BA0251	68P CONNECTOR	1	
D201,02	AG01A	DIODE	2	
D251	D4SBL40	DIODE	1	
D253	1SS355	DIODE	1	
D351	YG805C06R	DIODE	1	
D352	AG01A	DIODE	1	
D353	YG805C06R	DIODE	1	
D401	D6SBN20	DIODE	1	
D402	AG01A	DIODE	1	
D403	YG901C3R	DIODE	1	
D451	RK39	DIODE	1	
D501	B0EBKT000007	DIODE	1	△
D504	ST3D82	DIODE	1	
D505	AG01A	DIODE	1	
D506	RF101A2S	DIODE	1	
D551	RK39	DIODE	1	
D552	1SS355	DIODE	1	
D553	B0JCMD000024	DIODE	1	
D601,02	1SS355	DIODE	2	
D603,04	AP01C	DIODE	2	
D605,06	B0EAKR000059	DIODE	2	
D701	1SS355	DIODE	1	
D702	B0JCMD000024	DIODE	1	
D801	B0JCPD000026	DIODE	1	
D802,03	B0JCMC000037	DIODE	2	
D804-10	B0JCPE000004	DIODE	7	
D811	MA2J11100L	DIODE	1	
D1550	LNJ107W5PRW	LED	1	
D1551	MA8033L	ZENER DIODE	1	
D1554	MA8033L	ZENER DIODE	1	
D2301-03	B0JCMC000037	DIODE	3	
D3001	MA2J11100L	DIODE	1	
D3003,04	MA2J11100L	DIODE	2	
D3061	MA2J72800L	DIODE	1	
D3302	MA8140M	ZENER DIODE	1	
D3304	MA8140M	ZENER DIODE	1	
D3306-10	MA8140M	ZENER DIODE	5	
D3311	MA3036H	ZENER DIODE	1	
D3504	MA3056MTX	ZENER DIODE	1	
D3507-10	MA8160H	ZENER DIODE	4	
D4351	B0JCMC000037	DIODE	1	
D4355	MA3X152A0L	DIODE	1	
D4357	MA3X152A0L	DIODE	1	
D4359	MA2J11100L	DIODE	1	
D4701	MA2J72800L	DIODE	1	
D4704	MA3033	ZENER DIODE	1	
D4709	MA2J72800L	DIODE	1	
D4711-13	MA152K	DIODE	3	
D4721	MA3036H	ZENER DIODE	1	
D4732-35	MA152K	DIODE	4	
D4901	B0JCGD000002	DIODE	1	
D4902	MA22D3900L	DIODE	1	
D4903	B0JCGD000002	DIODE	1	
D4904	MA22D3900L	DIODE	1	
D6001	B0HBSN000008	DIODE	1	
D6021	MA3DF30000LZ	ZENER DIODE	1	
D6024,25	B0ECKP000047	DIODE	2	
D6032	MA2J11100L	DIODE	1	
D6061,62	B0HBSN000008	DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6071,72	B0HBSN000008	DIODE	2	
D6081,82	MA3DF30000LZ	ZENER DIODE	2	
D6091	B0HBSN000008	DIODE	1	
D6092	B0ECKP000047	DIODE	1	
D6101-04	B0JCME000037	DIODE	4	
D6131,32	B0ECKP000047	DIODE	2	
D6151-53	B0ECKP000047	DIODE	3	
D6191	B0ECKP000047	DIODE	1	
D6193	B0ECKP000047	DIODE	1	
D6211	B0JCME000037	DIODE	1	
D6221	B0HDRP000003	DIODE	1	
D6222,23	MA2J11100L	DIODE	2	
D6225	B0ECKP000047	DIODE	1	
D6253	LNJ301MPUJA	LED	1	
D6255	MA2J11100L	DIODE	1	
D6273	MA2J11100L	DIODE	1	
D6275	MA8068M	ZENER DIODE	1	
D6277,78	MA3X152A0L	DIODE	2	
D6280	MAZ80510LL	ZENER DIODE	1	
D6281,82	B0JCME000037	DIODE	2	
D6401,02	B0HBSN000008	DIODE	2	
D6422	MA3DF40000LZ	ZENER DIODE	1	
D6442	B0ECKP000047	DIODE	1	
D6452	B0ECKP000047	DIODE	1	
D6462,63	B0HBSN000008	DIODE	2	
D6466	MA2J11100L	DIODE	1	
D6471	B0HBSN000008	DIODE	1	
D6472	B0ECKP000047	DIODE	1	
D6477	MA2J11100L	DIODE	1	
D6478	B0HCKS000002	DIODE	1	
D6480	MA2J11100L	DIODE	1	
D6482,83	MA3DF30000LZ	ZENER DIODE	2	
D6491	MA3DF40000LZ	ZENER DIODE	1	
D6497	B0ECKP000047	DIODE	1	
D6499	MA2J11100L	DIODE	1	
D6500	MAZ80510LL	ZENER DIODE	1	
D6501	B0ECKP000047	DIODE	1	
D6503	B0ECKP000047	DIODE	1	
D6521-23	B0ECKP000047	DIODE	3	
D6561,62	B0ECKP000047	DIODE	2	
D6571	B0JCME000037	DIODE	1	
D6573	B0JCME000037	DIODE	1	
D6583	LNJ301MPUJA	LED	1	
D6584	MAZ80510LL	ZENER DIODE	1	
D6585	MA2J11100L	DIODE	1	
D6601,02	MA8240MTX	ZENER DIODE	2	
D6604	MA2J11100L	DIODE	1	
D6605	MAZ80510LL	ZENER DIODE	1	
D6606	B0HCMM000014	DIODE	1	
D6607	MA2J11100L	DIODE	1	
D6619	B0HCKS000002	DIODE	1	
D6621-23	B0HDSM000005	DIODE	3	
D6625	B0HDSM000005	DIODE	1	
D6631	B0JCME000037	DIODE	1	
D6633	B0JCME000037	DIODE	1	
D6641,42	B0HCKS000002	DIODE	2	
D6643	B0JCME000037	DIODE	1	
D6644	B0HCKS000002	DIODE	1	
D6661	MA2J11100L	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6662-64	MA8330M	ZENER DIODE	3	
D6665	MAZ80510LL	ZENER DIODE	1	
D6666,67	MA2J11100L	DIODE	2	
D6690	MA2J11100L	DIODE	1	
D6691,92	MA8200M	ZENER DIODE	2	
D6701	MA8056H	ZENER DIODE	1	
D6721	B0HCKS000002	DIODE	1	
D6722	MA2J11100L	DIODE	1	
D6725	B0ECKP000047	DIODE	1	
D6726-33	MA8056H	ZENER DIODE	8	
D6742,43	MA2J11100L	DIODE	2	
D6761	B0JCME000037	DIODE	1	
D6764	B0HCKS000002	DIODE	1	
D6765-67	B0ECKP000047	DIODE	3	
D6773	B0HCKS000002	DIODE	1	
D6791	MA8200M	ZENER DIODE	1	
D6802	B0BC01000044	ZENER DIODE	1	
D6803	B0HCKS000002	DIODE	1	
D6804	B0ECP000003	DIODE	1	
D6805	MA2J11100L	DIODE	1	
D6806	B0HCKS000002	DIODE	1	
D6807-10	B0HCMM000014	DIODE	4	
D6816	MAZ80510LL	ZENER DIODE	1	
D6817	MAZ80680HL	ZENER DIODE	1	
D6820-23	MA2J11100L	DIODE	4	
D6824,25	MA8330M	ZENER DIODE	2	
D6826	MA2J11100L	DIODE	1	
D6827,28	MA8330M	ZENER DIODE	2	
D6830	MA8056H	ZENER DIODE	1	
D6836	MAZ81500ML	ZENER DIODE	1	
D6837	MA2J11100L	DIODE	1	
D6838	B0BC027A0234	ZENER DIODE	1	
D6839	B0ECKP000047	DIODE	1	
D6841	B0HCKS000002	DIODE	1	
D6842,43	MA2J11100L	DIODE	2	
D6859	B0ECKP000047	DIODE	1	
D6860	B0HCKS000002	DIODE	1	
D6861	MAZ80510LL	ZENER DIODE	1	
D6862	MA2J11100L	DIODE	1	
D6871	MAZ80510LL	ZENER DIODE	1	
D6872	MA2J11100L	DIODE	1	
D6883	MA2J11100L	DIODE	1	
D6886,87	B0ECKP000047	DIODE	2	
D6901,02	MA8056H	ZENER DIODE	2	
D6903,04	B0HCMM000013	DIODE	2	
D6907	B0HCMM000013	DIODE	1	
D6951,52	MA8056H	ZENER DIODE	2	
D6953,54	B0HCMM000013	DIODE	2	
D6957	B0HCMM000013	DIODE	1	
D7101-10	B0HCMM000014	DIODE	10	
D7201-06	B0HCMM000014	DIODE	6	
D7301-06	B0HCMM000014	DIODE	6	
D8001	MA2J11100L	DIODE	1	
D8003	MA2J11100L	DIODE	1	
D8010,11	MA153A	DIODE	2	
D8180	MA2J11100L	DIODE	1	
D8181	MAZ80560ML	ZENER DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D8184,85	MAZ80560ML	ZENER DIODE	2	
D8200	MAZ31600ML	ZENER DIODE	1	
D8201	MA2J11100L	DIODE	1	
D8203	MA3100M	ZENER DIODE	1	
D8204	MA2J11100L	DIODE	1	
D8209	MA2J11100L	DIODE	1	
D8210	MA3100M	ZENER DIODE	1	
D8211	MA2J11100L	DIODE	1	
D8212	MAZ80560ML	ZENER DIODE	1	
D8213	MA2J11100L	DIODE	1	
D9017-19	MA3033	ZENER DIODE	3	
D9020	B0JCCE000008	DIODE	1	
D9110	B0JCGD000002	DIODE	1	
D9802	B0JCCE000008	DIODE	1	
D9804	B0JCCE000008	DIODE	1	
D9807,08	B0JCCE000008	DIODE	2	
D9811	B0JCCE000008	DIODE	1	
D9812	MA22D3900L	DIODE	1	
D9813-15	B0JCGD000002	DIODE	3	
D9816,17	MA22D3900L	DIODE	2	
DN1	K1MN80BA0076	80P CONNECTOR	1	
DN4	K1KA14A00248	14P CONNECTOR	1	
DN6	K1KB31BA0064	31P CONNECTOR	1	
DN11	K1KA21A00011	21P CONNECTOR	1	
DN33	K1KA03AA0714	3P CONNECTOR	1	
DN35	K1KA03AA0714	3P CONNECTOR	1	
DS1	K1MN80BA0076	80P CONNECTOR	1	
DS2	K1KA06BA0047	6P CONNECTOR	1	
DS4	K1KA11BA0051	11P CONNECTOR	1	
DS6	K1KA10BA0051	10P CONNECTOR	1	
DS7, S8	K1KA03BA0055	3P CONNECTOR	2	
DS11-13	K1KB80B00024	80P CONNECTOR	3	
DS14	K1KA15AA0194	CONNECTOR	1	
DS15	K1KA03BA0047	3P CONNECTOR	1	
FL3000-15	FLJ1E1040022	C 0.10UF, Z, 25V	16	
FL3510-17	TAXA0024	LC FILTER	8	
FL4001	J0MAB0000175	LC FILTER	1	
FL4502-04	FLJ1E1040022	C 0.10UF, Z, 25V	3	
FL4707-11	FLJ1E1040022	C 0.10UF, Z, 25V	5	
FL7101	J0HABH000013	LC FILTER	1	
FL7201,02	J0HABH000013	LC FILTER	2	
FL7301	J0HABH000013	LC FILTER	1	
FL9300,01	FLJ1E104A148	C 0.10UF, Z, 25V	2	
FL9504	FLJ1E104A148	C 0.10UF, Z, 25V	1	
FL9803	FLJ1E104A148	C 0.10UF, Z, 25V	1	
FL9805,06	FLJ1E104A148	C 0.10UF, Z, 25V	2	
FL9900-04	FLJ1E104A148	C 0.10UF, Z, 25V	5	
H0	K1KA08AA0714	8P CONNECTOR	1	
H1	K1KA80B00037	80P CONNECTOR	1	
H37 01	K1KA03AA0190	3P CONNECTOR	1	
H37	K1KA03AA0190	3P CONNECTOR	1	
HX1	K1KA15AA0194	CONNECTOR	1	
IC251	HA17431UA	INTEGRATED CIRCUIT	1	
IC351	HA17431UA	INTEGRATED CIRCUIT	1	
IC401	HA17431UA	INTEGRATED CIRCUIT	1	
IC451	PQ1CN41H2Z	VOLTAGE REGULATOR	1	
IC501	MIP3E30MP	IC	1	
IC551	HA17431UA	INTEGRATED CIRCUIT	1	
IC801-03	C0DBAMH00018	IC	3	
IC804	C0CBCAC00275	IC	1	
IC805	C0DBAMH00027	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC2301,02	C1AB00002534	IC	2	
IC2303	C1BB00001006	IC	1	
IC2305	C0ABBA000168	IC	1	
IC3001	C1AB00002530	IC	1	
IC3002	C0JBBR000002	IC	1	
IC3003	CXA1315M	LINEAR IC	1	
IC3004	CXA1875AM	LINEAR IC	1	
IC3005	C1AB00002529	IC	1	
IC3006	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	
IC3007,08	C0JBAS000215	IC	2	
IC3101	C1AB00002238	IC	1	
IC3153	C0JBAZ001120	IC	1	
IC3301	CXA2089Q	LINEAR IC	1	
IC3302	C0EBE0000066	IC (LOGIC)	1	
IC3303	C0CBCAC00275	IC	1	
IC3304	C1AB00002487	IC	1	
IC3305	C3ABMG000227	IC	1	
IC3306	C0JBAZ002269	IC	1	
IC3307	C0JBCZ000523	IC	1	
IC3309	TVRP523	IC	1	
IC3502	C3EBDC000067	IC	1	
IC4001	C0FBAY000012	IC	1	
IC4002	C0CBCBE00001	IC	1	
IC4031,32	C0JBAA000354	IC	2	
IC4201	C1ZBZ0003233	IC	1	
IC4301	C0JBAP000020	IC	1	
IC4351	C0DBAZG00034	IC	1	
IC4500	C1ZBZ0003478	IC	1	
IC4501	MN845111-A	IC	1	
IC4502	C3ABQJ000031	IC	1	
IC4701	MN103SB30RGL	IC	1	
IC4702	TVRP384	IC	1	
IC4703	C3EBKC000014	IC	1	
IC4704	C0EBE0000447	IC	1	
IC4711	C0JBAA000354	IC	1	
IC4714	C0JBAB000388	IC	1	
IC4715	C0JBAA000354	IC	1	
IC4721	C1ZBZ0003577	IC	1	
IC4803	C0JBAS000215	IC	1	
IC4901	C0DBAYY00274	IC	1	
IC4953	C0CBCAD00016	IC	1	
IC4954	C0DBZFF00004	IC	1	
IC4956	C0CBCBC00190	IC	1	
IC6131	C0ZBZ0000895	IC	1	
IC6151	C0ZBZ0001324	IC	1	
IC6191	C0ZBZ0000895	IC	1	
IC6211	C0ZBZ0001325	IC	1	
IC6221	C0DBEMC00043	IC	1	
IC6241	C0JBAA000005	IC	1	
IC6251	NJM2903M	INTEGRATED CIRCUIT	1	
IC6281	C0DBEMC00043	IC	1	
IC6471	C0DBEKA00003	IC	1	
IC6472	C0JBAA000377	IC	1	
IC6481	C0ZBZ0000895	IC	1	
IC6500	NJM2903M	INTEGRATED CIRCUIT	1	
IC6501	C0ZBZ0000895	IC	1	
IC6521	C0ZBZ0001324	IC	1	
IC6561,62	C0JBAA000005	IC	2	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6671	C0ZBZ0001325	IC	1	
IC6721,22	C0JBAA000994	IC	2	
IC6724,25	C0CBADC00072	IC	2	
IC6752	C0ZBZ0001324	IC	1	
IC6771	C0CBADC00072	IC	1	
IC6772	C0ZBZ0001325	IC	1	
IC6773,74	C0JBAA000377	IC	2	
IC6791	EHMDD9863	LINEAR IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC6801	C0DBEMC00043	IC	1	
IC6803	C0DAAMH00005	IC	1	
IC6821	C0DBEMC00043	IC	1	
IC6841	C0DBEMC00043	IC	1	
IC6861	NJM2903M	INTEGRATED CIRCUIT	1	
IC6871	NJM2903M	INTEGRATED CIRCUIT	1	
IC6881	C0DBEMC00043	IC	1	
IC6901-06	AN16076A-VT	IC	6	
IC6951-56	AN16076A-VT	IC	6	
IC7101,02	C0JBAB001120	IC	2	
IC7201-03	C0JBAB001120	IC	3	
IC7301-04	C0JBAB001120	IC	4	
IC8001	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	
IC8003	C1AA00000706	IC	1	
IC8005	C0JBAB000646	IC	1	
IC8007	C0JBAB000419	IC	1	
IC8009	C0JBAS000251	IC	1	
IC8014	C0ZBZ0001361	IC	1	
IC8017,18	C0JBAB000715	IC	2	
IC8100	C0CBAKD00001	IC	1	
IC8181	C1DB00001208	IC	1	
IC9001	TVRP498	IC	1	
IC9002	C1ZBZ0003577	IC	1	
IC9003	MNZSFC9GPH2	IC	1	
IC9007	TVRP211-3	IC	1	
IC9011	C0EBF0000431	IC	1	
IC9013	C0JBAB002060	IC	1	
IC9200	C1ZBZ0003566	IC	1	
IC9303	TVRP524-1	IC	1	
IC9500	C1ZBZ0003575	IC	1	
IC9802,03	C0JBAB001120	IC	2	
IC9805	C0DBAYY00274	IC	1	
IC9806	C0DBAYY00273	IC	1	
IC9900	MN84524	IC	1	
IC9901	C3ABQJ000055	IC	1	
IP351	ERBSE0R75U	MICRO FUSE	1	
IP701	ERBSE0R75U	MICRO FUSE	1	
JA1-16	ERJ6GEY0R00V	M 0 OHM, 1/10W	16	
JK3301	K1QBB1AB0008	CONNECTOR	1	
JK3302,03	K2HA204B0097	JACK	2	
JK3304	K1CB106B0027	CONNECTOR	1	
JK3509	K1FA109B0062	CONNECTOR	1	
JK3511	K1FB115BA020	CONNECTOR	1	
JK3513	K2HC103B0105	JACK	1	
JK8500	K4BC02B00013	AV TERMENAL	1	
JK8500	K4BC02B00013	AV TERMENAL	1	
K601	KQ3298	RELAY	1	⚠
K602	DJ5D2QT8	RELAY	1	⚠
L401	LH8TB681K	CHOKE	1	
L402	H221012HY	CHOKE	1	
L403	EXCELSA35	BEAD CHOKE	1	
L404	EXCELSR35	BEAD CHOKE	1	
L451	SNK1012A	CHOKE	1	
L501	EXCELSA35	BEAD CHOKE	1	
L502,03	EXCELSR35	BEAD CHOKE	2	
L601,02	B3180207Z	FILTER CHOKE	2	⚠
L603	ETB50CZ13GAD	CHOKE TRANS	1	
L607,08	EXCELSR35	BEAD CHOKE	2	
L801	G1A101ZA0007	CHOKE COIL	1	
L802	G1C101MA0167	INDUCTION COIL	1	
L803	G1C220MA0167	INDUCTION COIL	1	
L804,05	J0JHC0000078	CHIP INDUCTOR	2	
L807-11	J0JHC0000078	CHIP INDUCTOR	5	
L812	G1C470M00012	INDUCTOR COIL	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L1501-08	J0JHC0000078	CHIP INDUCTOR	8	
L2330,31	G0A221ZA0041	CHOKE COIL	2	
L3002	G1C100K00020	INDUCTION COIL	1	
L3005,06	G1C100K00020	INDUCTION COIL	2	
L3050	G1C100K00020	INDUCTION COIL	1	
L3140	J0JHC0000078	CHIP INDUCTOR	1	
L3301-07	EXC3BB221H	BEAD CHOKE	7	
L3308,09	G1C100K00020	INDUCTION COIL	2	
L3310,11	J0JHC0000078	CHIP INDUCTOR	2	
L3312,13	G1C6R8MA0061	INDUCTOR COIL	2	
L3314-20	J0JHC0000078	CHIP INDUCTOR	7	
L3526	ELJPA100KFB	CHIP INDUCTOR	1	
L3555	ELJPA100KFB	CHIP INDUCTOR	1	
L4206	J0JHC0000096	CHIP INDUCTOR	1	
L4301-03	J0JHC0000078	CHIP INDUCTOR	3	
L4352	G1A101ZA0007	CHOKE COIL	1	
L4501	G1C150KA0038	INDUCTION COIL	1	
L4502-05	J0JHC0000096	CHIP INDUCTOR	4	
L4701-04	J0JHC0000096	CHIP INDUCTOR	4	
L4901	G1C1R8MA0248	CHOKE COIL	1	
L4902	G1C2R2MA0248	INDUCTION COIL	1	
L6000	J0JJC0000015	CHIP INDUCTOR	1	
L6001-03	G0C1R6KA0119	PEAKING COIL	3	
L6005	G0C1R6KA0119	PEAKING COIL	1	
L6010	J0JJC0000015	CHIP INDUCTOR	1	
L6011-14	G0C1R6KA0119	PEAKING COIL	4	
L6061-64	J0JKB0000049	FLAT CORE	4	
L6081-84	J0JKB0000049	FLAT CORE	4	
L6101,02	J0JJC0000015	CHIP INDUCTOR	2	
L6103	G0ZZ00002183	PEAKING COIL	1	
L6105,06	J0JJC0000015	CHIP INDUCTOR	2	
L6221	G0ZZ00002183	PEAKING COIL	1	
L6241	G0ZZ00002183	PEAKING COIL	1	
L6262	G0ZZ00002183	PEAKING COIL	1	
L6271	G0ZZ00002183	PEAKING COIL	1	
L6401-03	G0C1R6KA0119	PEAKING COIL	3	
L6405	G0C1R6KA0119	PEAKING COIL	1	
L6411-13	G0C1R6KA0119	PEAKING COIL	3	
L6415	G0C1R6KA0119	PEAKING COIL	1	
L6463-66	J0JKB0000049	FLAT CORE	4	
L6472	G0ZZ00002183	PEAKING COIL	1	
L6474	G0ZZ00002183	PEAKING COIL	1	
L6483-86	J0JKB0000049	FLAT CORE	4	
L6571	J0JJC0000015	CHIP INDUCTOR	1	
L6573	J0JJC0000015	CHIP INDUCTOR	1	
L6591,92	G0ZZ00002183	PEAKING COIL	2	
L6601,02	G0ZZ00002183	PEAKING COIL	2	
L6690	G0ZZ00002183	PEAKING COIL	1	
L6801,02	J0JJC0000015	CHIP INDUCTOR	2	
L6841	J0JJC0000015	CHIP INDUCTOR	1	
L6881	G0ZZ00002183	PEAKING COIL	1	
L8001	G1C100K00020	INDUCTION COIL	1	
L8003	G1C100K00020	INDUCTION COIL	1	
L8005	G1C100K00020	INDUCTION COIL	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L8101-08	J0JHC0000078	CHIP INDUCTOR	8	
L9500	G1C150KA0038	INDUCTION COIL	1	
L9501,02	J0JHC0000078	CHIP INDUCTOR	2	
L9504,05	J0JHC0000078	CHIP INDUCTOR	2	
L9800	G1C2R2Z00007	INDUCTION COIL	1	
L9801	G1C1R5Z00006	INDUCTION COIL	1	
L9802	G1C2R2Z00007	INDUCTION COIL	1	
MC201	MLQNF153	MODULE	1	△
MC202	MLKJA154	MODULE	1	△
MC203	MP00R3	MODULE	1	△
MC301	MLQNF682	MODULE	1	△
MC351	MLJFF103	MODULE	1	△
MC401	MLPSC103	MODULE	1	△
MC501	MLTZB100	MODULE	1	△
MC502	MLJHA103	MODULE	1	△
MC601	MLLPD103	MODULE	1	△
MC602	MP00P18	MODULE	1	△
MC603	MP00P13	MODULE	1	△
MC701	MLZDE103	MODULE	1	△
NP	ETXMM655MEH	CIRCUIT BOARD P	1	△
NP	TNPA3640	CIRCUIT BOARD V1	1	△
NP	TNPA3641	CIRCUIT BOARD V2	1	△
NP	TNPA3642	CIRCUIT BOARD S1	1	△
NP	TNPA3931	CIRCUIT BOARD H3	2	△
NP	TNPA4109AC	CIRCUIT BOARD DS	1	PAVCCZ △
NP	TXNC11HMTB	CIRCUIT BOARD C1	1	PAVCCZ △
NP	TXNC21HMTB	CIRCUIT BOARD C2	1	PAVCCZ △
NP	TXNC31HMTB	CIRCUIT BOARD C3	1	PAVCCZ △
NP	TXNHU1ZFTE	CIRCUIT BOARD HU	1	PAVCCZ △
NP	TXNSC1HMTB	CIRCUIT BOARD SC	1	PAVCCZ △
NP	TXNSD1HMTB	CIRCUIT BOARD SD	1	PAVCCZ △
NP	TXNSS1HMTB	CIRCUIT BOARD SS	1	PAVCCZ △
NP	TXNSS21HMTB	CIRCUIT BOARD SS2	1	PAVCCZ △
NP	TXNSS31HMTB	CIRCUIT BOARD SS3	1	PAVCCZ △
NP	TXNSU1HMTB	CIRCUIT BOARD SU	1	PAVCCZ △
NP	TZTNP01XETB	CIRCUIT BOARD D	1	PAVCCZ △
NP	TZTNP01XETE	CIRCUIT BOARD DN	1	PAVCCZ △
NP	TZTNP02XETE	CIRCUIT BOARD HX	1	PAVCCZ △
P2	B2P3-VH-B	CONNECTOR	1	
P6	B12B-EH-A	CONNECTOR	1	
P7	B11B-EH-A	CONNECTOR	1	
P9	B03P-VL	CONNECTOR	1	△
P11	B2P3-VH-B	CONNECTOR	1	
P12	B10B-PH-KS	CONNECTOR	1	
P23	B3B-PH-KS	CONNECTOR	1	
P25	B13B-PH-KS	CONNECTOR	1	
PA4901	K5H4022A0023	FUSE	1	
PA9800	K5H4022A0023	FUSE	1	
PA9900	K5H5022A0023	FUSE	1	
PC201,02	PS2581A	PHOTO COUPLER	2	△
PC301,02	PS2581A	PHOTO COUPLER	2	△
PC401	PS2581A	PHOTO COUPLER	1	△
PC501,02	PS2581A	PHOTO COUPLER	2	△
PC6480	B3PBA0000223	IC	1	
PC6701,02	B3PBA0000233	IC	2	
PC6703	B3PBA0000234	IC	1	
PC6705	B3PBA0000397	IC	1	
PC6801	B3PBA0000223	IC	1	
PC6861	B3PBA0000223	IC	1	
PC6871	B3PBA0000223	IC	1	
Q301,02	FMA16N55G	FIELD EFFECT TRANSISTOR	2	△
Q351,52	2SK2510	FIELD EFFECT TRANSISTOR	2	
Q401	2SK3607	FIELD EFFECT TRANSISTOR	1	
Q402,03	2SA17670Q1TV	TRANSISTOR	2	
Q551	HAT1130R	FET	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q552	2SB710AQRSTX	TRANSISTOR	1	
Q602	2SD2185	TRANSISTOR	1	
Q603	2SB14400RL	TRANSISTOR	1	
Q701,02	2SD602A-R	TRANSISTOR	2	
Q704	2SK3018	FIELD EFFECT TRANSISTOR	1	
Q1540	2SD0601ARL	TRANSISTOR	1	
Q2300	B1BBCF000028	TRANSISTOR	1	
Q2331	B1BBCF000028	TRANSISTOR	1	
Q2372	2SD0601ARL	TRANSISTOR	1	
Q3001	2SB0709ARL	TRANSISTOR	1	
Q3301-04	2SD0601ARL	TRANSISTOR	4	
Q3305-08	2SB0709ARL	TRANSISTOR	4	
Q3531,32	2SD0601ARL	TRANSISTOR	2	
Q4351	2SD0601ARL	TRANSISTOR	1	
Q4701	B1CBHD000002	FET	1	
Q4702-07	2SD0601ARL	TRANSISTOR	6	
Q4708	B1CBHD000002	FET	1	
Q4712-14	2SD0601ARL	TRANSISTOR	3	
Q4801-03	2SD0601ARL	TRANSISTOR	3	
Q4901,02	B1MBEDA00015	TRANSISTOR	2	
Q4961,62	2SD0601ARL	TRANSISTOR	2	
Q6001-04	2PG0010000RP	TRANSISTOR	4	
Q6021-23	2PG0010000RP	TRANSISTOR	3	
Q6031	B1ADRD000001	TRANSISTOR	1	
Q6041-43	2PG0010000RP	TRANSISTOR	3	
Q6052,53	2PG0010000RP	TRANSISTOR	2	
Q6101,02	B1DFKM000002	TRANSISTOR	2	
Q6103	B1ABPF000014	TRANSISTOR	1	
Q6104	B1ADPF000004	TRANSISTOR	1	
Q6105,06	B1DFKM000002	TRANSISTOR	2	
Q6111	2SK326800L	FET	1	
Q6112	B1DFKM000001	TRANSISTOR	1	
Q6114	B1DFKM000001	TRANSISTOR	1	
Q6141	B1ABPF000014	TRANSISTOR	1	
Q6142	B1ADPF000004	TRANSISTOR	1	
Q6146	B1ABPF000014	TRANSISTOR	1	
Q6147	B1ADPF000004	TRANSISTOR	1	
Q6171	B1ABRD000003	TRANSISTOR	1	
Q6172	B1ADRD000001	TRANSISTOR	1	
Q6181	B1ABRD000003	TRANSISTOR	1	
Q6222A	2SC1473AEA	TRANSISTOR	1	
Q6251	2SD0601ARL	TRANSISTOR	1	
Q6256	2SD1263A	TRANSISTOR	1	
Q6271	2SD0601ARL	TRANSISTOR	1	
Q6281	B1ABPF000014	TRANSISTOR	1	
Q6282	B1ADPF000004	TRANSISTOR	1	
Q6401-04	2PG0010000RP	TRANSISTOR	4	
Q6422-24	2PG0030000RP	TRANSISTOR	3	
Q6441-43	2PG0010000RP	TRANSISTOR	3	
Q6452,53	2PG0030000RP	TRANSISTOR	2	
Q6500	2SD0601ARL	TRANSISTOR	1	
Q6501	B1ABPF000014	TRANSISTOR	1	
Q6502	B1ADPF000004	TRANSISTOR	1	
Q6521	B1ABPF000014	TRANSISTOR	1	
Q6522	B1ADPF000004	TRANSISTOR	1	
Q6531	B1ABRD000003	TRANSISTOR	1	
Q6532	B1ADRD000001	TRANSISTOR	1	
Q6551	B1ABRD000003	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6552	B1ADRD000001	TRANSISTOR	1	
Q6561	B1ABPF000014	TRANSISTOR	1	
Q6562	B1ADPF000004	TRANSISTOR	1	
Q6571	B1DFKM000002	TRANSISTOR	1	
Q6573	B1DFKM000002	TRANSISTOR	1	
Q6581	2SD0601ARL	TRANSISTOR	1	
Q6601	B1DFES000003	TRANSISTOR	1	
Q6602	2SD0601ARL	TRANSISTOR	1	
Q6603	2SB0709ARL	TRANSISTOR	1	
Q6621	2SK399500L	FET	1	
Q6623	2SK399500L	FET	1	
Q6643	2SK399500L	FET	1	
Q6645-49	2SK399500L	FET	5	
Q6651	2SK399500L	FET	1	
Q6661	B1DEET000002	TRANSISTOR	1	
Q6662	2SD0601ARL	TRANSISTOR	1	
Q6665	B1ABPF000014	TRANSISTOR	1	
Q6671-73	B1DFDR000001	TRANSISTOR	3	
Q6679	B1ABPF000014	TRANSISTOR	1	
Q6680	B1ADPF000004	TRANSISTOR	1	
Q6690	2SA19610Q0HW	TRANSISTOR	1	
Q6742, 43	2SD0601ARL	TRANSISTOR	2	
Q6763	B1ADPF000004	TRANSISTOR	1	
Q6781	B1ABPF000014	TRANSISTOR	1	
Q6782	B1ADPF000004	TRANSISTOR	1	
Q6791	2SD0601ARL	TRANSISTOR	1	
Q6803	2SD0814A	TRANSISTOR	1	
Q6805	2SC3063	TRANSISTOR	1	
Q6806	2SC1473AEA	TRANSISTOR	1	
Q6821	2SD1263A	TRANSISTOR	1	
Q6822	2SC3063	TRANSISTOR	1	
Q6824	2SD0601ARL	TRANSISTOR	1	
Q6841	2SD1263A	TRANSISTOR	1	
Q6842	2SC1473AEA	TRANSISTOR	1	
Q6881	2SD1263A	TRANSISTOR	1	
Q6882	2SB940A	TRANSISTOR	1	
Q6883	2SC1473AEA	TRANSISTOR	1	
Q8002	2SD0601ARL	TRANSISTOR	1	
Q8010	2SD0601ARL	TRANSISTOR	1	
Q8011	2SB0709ARL	TRANSISTOR	1	
Q8012	2SD0601ARL	TRANSISTOR	1	
Q8013	2SB0709ARL	TRANSISTOR	1	
Q8019	2SD0601ARL	TRANSISTOR	1	
Q8181-84	B1CBHD000002	FET	4	
Q8200-02	2SD0601ARL	TRANSISTOR	3	
Q9010	2SD0601ARL	TRANSISTOR	1	
Q9044	2SD0601ARL	TRANSISTOR	1	
Q9046	2SD0601ARL	TRANSISTOR	1	
Q9050-54	2SD0601ARL	TRANSISTOR	5	
Q9301, 02	2SD0601ARL	TRANSISTOR	2	
Q9805, 06	2SD0601ARL	TRANSISTOR	2	
Q9807-09	B1MBEDA00015	TRANSISTOR	3	
R201	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R202	ERQ14AJ4R7J	FUSIBLE METAL FILM RESISTOR	1	
R203, 04	ERJ6GEYJ334	M 330KOHM, J, 1/10W	2	
R205	ERJ6ENF1782	M17.8KOHM, 1/10W	1	
R206-08	ERJ12YJ683	M 68KOHM, 1/2W	3	
R215, 16	SG732K220	CHIP RESISTOR	2	
R251-54	ERJ6ENF6802	M 68KOHM, 1/10W	4	
R258	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R259	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	1	
R260	ERJ6GEYF151	M 150 OHM, F, 1/10W	1	
R261	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	1	
R263	ERJ6GEYG102	M 1KOHM, J, 1/10W	1	
R264	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R265	ERJ6ENF1073	M 107KOHM, 1/10W	1	
R266	ERJ6GEYF472	M 4.7KOHM, F, 1/10W	1	
R267-69	ERJ6ENF1073	M 107KOHM, 1/10W	3	
R270	ERJ6GEYG103	M 10KOHM, J, 1/10W	1	
R301	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R302	ERQ14AJ4R7J	FUSIBLE METAL FILM RESISTOR	1	
R303, 04	ERJ6GEYJ334	M 330KOHM, J, 1/10W	2	
R305	ERJ6ENF4421	M4.42KOHM, 1/10W	1	
R306-08	ERJ12YJ683	M 68KOHM, 1/2W	3	
R309	ERGLSJ680	METAL OXIDE RESISTOR	1	
R310	ERGL2SJ220	METAL OXIDE FILM RESISTOR	1	
R351	ERJ6ENF1052	M10.5KOHM, 1/10W	1	
R352	ERJ12YJ100	M 10 OHM, J, 1/2W	1	
R353	ERJ6GEYG102	M 1KOHM, J, 1/10W	1	
R355	ERJ6GEYG682	CHIP RESISTOR	1	
R356	ERJ6GEYG102	M 1KOHM, J, 1/10W	1	
R358	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R359	ERJ6ENF2102	M 21KOHM, 1/10W	1	
R362	ERJ12YJ332	M 3.3KOHM, J, 1/2W	1	
R363, 64	ERJ6GEYF333	M 33KOHM, J, 1/10W	2	
R365	ERJ6ENF1052	M10.5KOHM, 1/10W	1	
R366	ERJ6ENF6981	M6.98KOHM, 1/10W	1	
R367	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R368, 69	ERJ6GEYG102	M 1KOHM, J, 1/10W	2	
R370	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R371	ERJ6ENF6981	M6.98KOHM, 1/10W	1	
R403	ERJ12YJ100	M 10 OHM, J, 1/2W	1	
R404	ERJ6ENF2152	M21.5KOHM, 1/10W	1	
R405	MPC2WR10J	METAL PLATE RESISTOR	1	
R406	ERJ6ENF2152	M21.5KOHM, 1/10W	1	
R407	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R408	ERJ6GEYJ5R6	M 5.6 OHM, J, 1/10W	1	
R409	ERJ6GEYF473	M 47KOHM, J, 1/10W	1	
R410	ERJ6ENF2152	M21.5KOHM, 1/10W	1	
R411, 12	ERJ6GEYG152	CHIP RESISTOR	2	
R413, 14	ERJ6ENF1622	M16.2KOHM, 1/10W	2	
R415	ERJ6ENF8662	CHIP RESISTOR	1	
R416	ERJ6ENF8061	M8.06KOHM, 1/10W	1	
R417-19	ERJ6ENF3572	M35.7KOHM, 1/10W	3	
R420	ERJ6ENF2870	M 287 OHM, 1/10W	1	
R451	ERJ6GEYG102	M 1KOHM, J, 1/10W	1	
R452	ERJ6GEYF124	CHIP RESISTOR	1	
R453	ERJ6GEYF473	M 47KOHM, J, 1/10W	1	
R454	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R455	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R456	ERJ6ENF1332	M13.3KOHM, 1/10W	1	
R505	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	1	
R506-11	ERJ6ENF8253	M 825KOHM, 1/10W	6	
R514-21	ERJ6ENF2703	M 270KOHM, 1/10W	8	
R522	ERJ6GEYJ180	M 18 OHM, J, 1/10W	1	
R551	ERJ6GEYG121	CHIP RESISTOR	1	
R552	ERJ6GEYG222	M 2.2KOHM, J, 1/10W	1	
R553	ERJ6GEYJ150	M 15 OHM, J, 1/10W	1	
R555	ERJ6ENF1072	M10.7KOHM, 1/10W	1	
R556	ERJ6ENF1022	M10.2KOHM, 1/10W	1	
R557	ERJ6GEYG392	M 3.9KOHM, J, 1/10W	1	
R558	ERJ6GEYF473	M 47KOHM, J, 1/10W	1	
R559	ERJ6GEYG332	M 3.3KOHM, J, 1/10W	1	
R561	ERJ6ENF2152	M21.5KOHM, 1/10W	1	
R562	ERJ6GEYG103	M 10KOHM, J, 1/10W	1	
R563, 64	ERJ6GEYG221	M 220 OHM, J, 1/10W	2	
R601	RCRU5J125	METAL GLAZE FIXED RESISTOR	1	△
R602	R5B100J	W 10 OHM, J, 5W	1	
R603	ERJ6ENF1693	M 169KOHM, 1/10W	1	
R604-06	ERJ6ENF1783	M 178KOHM, 1/10W	3	
R607-10	ERJ6ENF3743	CHIP RESISTOR	4	
R611	ERJ6ENF1783	M 178KOHM, 1/10W	1	
R617, 18	RF5EJR15B	METAL PLATE RESISTOR	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R619	RF5EJR10B	METAL PLATE RESISTOR	1	
R621	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	1	
R622	ERJ6GEYG103	M 10KOHM, J, 1/10W	1	
R623	ERJ12YJ470	M 47 OHM, J, 1/2W	1	
R624	ERJ6GEYG103	M 10KOHM, J, 1/10W	1	
R625	ERJ12YJ470	M 47 OHM, J, 1/2W	1	
R626	ERJ6GEYG103	M 10KOHM, J, 1/10W	1	
R627	ERJ12YJ470	M 47 OHM, J, 1/2W	1	
R628	ERQ14AJ330J	FUSIBLE METAL FILM RESISTOR	1	
R629	ERJ6GEYG154	CHIP RESISTOR	1	
R630	ERJ6ENF5902	M 59KOHM, 1/10W	1	
R631-36	ERJ6ENF1103	M 110KOHM, 1/10W	6	
R637	RCR6J825	METAL GLAZE FIXED RESISTOR	1	△
R638	RCRU5J155	METAL GLAZE FIXED RESISTOR	1	△
R701	ERJ6GEYG182	M 1.8KOHM, J, 1/10W	1	
R702	ERJ6GEYG222	M 2.2KOHM, J, 1/10W	1	
R703	ERJ6GEYG182	M 1.8KOHM, J, 1/10W	1	
R704	ERJ6GEYG222	M 2.2KOHM, J, 1/10W	1	
R706	ERJ6GEYG182	M 1.8KOHM, J, 1/10W	1	
R707	ERJ6GEYG222	M 2.2KOHM, J, 1/10W	1	
R708	ERJ14YJ471	CHIP RESISTOR	1	
R709	ERJ6GEYG103	M 10KOHM, J, 1/10W	1	
R710	ERJ6GEYG182	M 1.8KOHM, J, 1/10W	1	
R711	ERJ14YJ471	CHIP RESISTOR	1	
R712	ERJ6GEYG103	M 10KOHM, J, 1/10W	1	
R713	ERJ6GEYG222	M 2.2KOHM, J, 1/10W	1	
R716	ERJ6GEYG103	M 10KOHM, J, 1/10W	1	
R717	ERJ6GEYJ474	M 470KOHM, J, 1/10W	1	
R718	ERJ6GEYG470V	M 47 OHM, J, 1/10W	1	
R803	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R804	ERJ3GEYJ224	M 220KOHM, J, 1/16W	1	
R805	ERJ3EKF8452	M84.5KOHM, 1/16W	1	
R806	ERJ3EKF1052	M10.5KOHM, 1/16W	1	
R808,09	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
R811	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R812	ERJ3GEYJ683	M 68KOHM, J, 1/16W	1	
R813	ERJ3EKF4222	M42.2KOHM, 1/16W	1	
R814	ERJ3EKF1052	M10.5KOHM, 1/16W	1	
R816,17	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
R819	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R820	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R821	ERJ3EKF2432	M24.3KOHM, 1/16W	1	
R822	ERJ3EKF1052	M10.5KOHM, 1/16W	1	
R824	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R831	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R832	ERJ3GEYJ822	M 8.2KOHM, J, 1/16W	1	
R834	ERJ6ENF7502	M 75KOHM, 1/10W	1	
R835	ERJ6ENF6801	M 6.8KOHM, 1/10W	1	
R836	ERJ3GEYJ683	M 68KOHM, J, 1/16W	1	
R837	D0GB184JA057	M 180KOHM, J, 1/16W	1	
R838	ERJ12YJ330	M 33 OHM, J, 1/2W	1	
R839	ERJ12YJ681	M 680 OHM, J, 1/2W	1	
R840	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R842,43	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
R845-49	ERJ6GEY0R00V	M 0 OHM, 1/10W	5	
R1500	ERJ6GEYG102	M 1KOHM, J, 1/10W	1	
R1510	ERJ3GEYD222V	M 2.2KOHM, J, 1/16W	1	
R1511	ERJ3GEYF302	M 3.0KOHM, 1/16W	1	
R1512	ERJ3EKF4701	M 4.7KOHM, 1/16W	1	
R1513	ERJ3GEYD822V	M 8.2KOHM, J, 1/16W	1	
R1550	ERJ6GEYG102	M 1KOHM, J, 1/10W	1	
R1551	ERJ6GEYG470V	M 47 OHM, J, 1/10W	1	
R1552	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R1553	ERJ6GEYJ471	M 470 OHM, J, 1/10W	1	
R1554	ERJ6GEYG271	M 270 OHM, J, 1/10W	1	
R2351-54	D0GB103JA057	M 10KOHM, J, 1/16W	4	
R2355-60	ERDS1FJ2R2	C 2.2 OHM, J, 1/2W	6	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2361,62	D0GB103JA057	M 10KOHM, J, 1/16W	2	
R2363	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R2365	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R2367,68	ERJ3GEYJ560	M 56 OHM, J, 1/16W	2	
R2383	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R2384	D0GB473JA057	M 47KOHM, J, 1/16W	1	
R2385	ERJ3GEYD153V	M 15KOHM, J, 1/16W	1	
R2386	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R2387,88	J0JCC0000100	CHIP INDUCTOR	2	
R2389-92	D0GB103JA057	M 10KOHM, J, 1/16W	4	
R2393	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R2394-96	D0GB103JA057	M 10KOHM, J, 1/16W	3	
R2397	ERJ3GEYD512V	M 5.1KOHM, J, 1/16W	1	
R2398	J0JCC0000100	CHIP INDUCTOR	1	
R2399,00	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R2404-07	D0GB103JA057	M 10KOHM, J, 1/16W	4	
R2408-11	ERJ6GEY0R00V	M 0 OHM, 1/10W	4	
R2412	ERJ3GEYJ122	M 1.2KOHM, J, 1/16W	1	
R2413	J0JCC0000100	CHIP INDUCTOR	1	
R2414,15	ERJ3GEYJ122	M 1.2KOHM, J, 1/16W	2	
R2416	J0JCC0000100	CHIP INDUCTOR	1	
R2417	ERJ3GEYJ122	M 1.2KOHM, J, 1/16W	1	
R2418,19	D0GB103JA057	M 10KOHM, J, 1/16W	2	
R2420	ERJ3GEYD153V	M 15KOHM, J, 1/16W	1	
R2421,22	D0GB393JA041	M 39KOHM, J, 1/16W	2	
R2423	ERJ3GEYD153V	M 15KOHM, J, 1/16W	1	
R2424,25	J0JCC0000100	CHIP INDUCTOR	2	
R2426	ERJ3GEYJ471	M 470 OHM, J, 1/16W	1	
R3001	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R3002	D0GB102JA057	M 1KOHM, J, 1/16W	1	
R3003	D0GB473JA057	M 47KOHM, J, 1/16W	1	
R3004	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3025	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3026-29	D0GB103JA057	M 10KOHM, J, 1/16W	4	
R3030,31	J0JCC0000100	CHIP INDUCTOR	2	
R3032,33	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3034-36	ERJ3GEYJ331	M 330 OHM, J, 1/16W	3	
R3037,38	J0JCC0000100	CHIP INDUCTOR	2	
R3039-41	ERJ3GEYJ331	M 330 OHM, J, 1/16W	3	
R3042	J0JCC0000100	CHIP INDUCTOR	1	
R3043	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3044-47	D0GB103JA057	M 10KOHM, J, 1/16W	4	
R3048	ERJ3GEYJ334	M 330KOHM, J, 1/16W	1	
R3049	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R3050	ERJ3GEYJ560	M 56 OHM, J, 1/16W	1	
R3051	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R3053,54	ERJ3GEYJ560	M 56 OHM, J, 1/16W	2	
R3057,58	ERJ3GEYJ560	M 56 OHM, J, 1/16W	2	
R3059	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3060,61	J0JCC0000100	CHIP INDUCTOR	2	
R3062,63	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3064-69	ERJ3GEYJ560	M 56 OHM, J, 1/16W	6	
R3070-75	ERJ6RED750	M 75 OHM, 1/10W	6	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3076-81	ERJ3GEYJ560	M 56 OHM, J, 1/16W	6	
R3082	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3083-87	J0JCC0000100	CHIP INDUCTOR	5	
R3088-93	ERJ6RED750	M 75 OHM, 1/10W	6	
R3094	J0JCC0000100	CHIP INDUCTOR	1	
R3095,96	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	2	
R3101-06	ERJ6ENF1800	M 180 OHM, 1/10W	6	
R3107,08	ERJ3GEYJ560	M 56 OHM, J, 1/16W	2	
R3110	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R3111	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R3115	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R3117	J0JCC0000100	CHIP INDUCTOR	1	
R3118	ERJ6ENF8200	M 820 OHM, 1/10W	1	
R3125	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R3126	J0JCC0000100	CHIP INDUCTOR	1	
R3134	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R3140,41	D0GB473JA057	M 47KOHM, J, 1/16W	2	
R3143,44	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3150,51	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3160,61	J0JCC0000100	CHIP INDUCTOR	2	
R3163	D0GB102JA057	M 1KOHM, J, 1/16W	1	
R3188-90	ERJ6RED750	M 75 OHM, 1/10W	3	
R3195,96	D0GB103JA057	M 10KOHM, J, 1/16W	2	
R3197,98	D0GB123JA057	M 12KOHM, J, 1/16W	2	
R3199	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R3210,11	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3212-15	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	4	
R3216-19	ERJ6GEYJ3R3	M 3.3KOHM, J, 1/10W	4	
R3230,31	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3301-03	ERJ6RED750	M 75 OHM, 1/10W	3	
R3304-07	ERJ6GEYJ223	M 22KOHM, J, 1/10W	4	
R3308	D0GB102JA057	M 1KOHM, J, 1/16W	1	
R3309,10	ERJ3GEYJ221	M 220 OHM, J, 1/16W	2	
R3312	ERJ3GEYJ221	M 220 OHM, J, 1/16W	1	
R3314-17	ERJ3GEYJ221	M 220 OHM, J, 1/16W	4	
R3318,19	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3320	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R3321	D0GB473JA057	M 47KOHM, J, 1/16W	1	
R3322	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R3323	D0GB473JA057	M 47KOHM, J, 1/16W	1	
R3324,25	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3326,27	ERJ3EKF3300	M 330 OHM, 1/16W	2	
R3328,29	ERJ6GEYG102	M 1KOHM, J, 1/10W	2	
R3330,31	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3332,33	ERJ3EKF1270	M 127 OHM, 1/16W	2	
R3334,35	ERJ3EKF4300	M 430 OHM, 1/16W	2	
R3336,37	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3338,39	ERJ6GEYG102	M 1KOHM, J, 1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3340,41	D0GB151JA057	M 150 OHM, J, 1/16W	2	
R3342,43	ERJ3GEYJ100	M 10 OHM, J, 1/16W	2	
R3344	D0GB102JA057	M 1KOHM, J, 1/16W	1	
R3345,46	ERJ3GEYJ331	M 330 OHM, J, 1/16W	2	
R3347,48	ERJ3GEYJ221	M 220 OHM, J, 1/16W	2	
R3349	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R3350	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R3351,52	D0GB473JA057	M 47KOHM, J, 1/16W	2	
R3353	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R3354	D0GB112JA057	M 1.1KOHM, J, 1/16W	1	
R3355,56	ERJ3GEYJ100	M 10 OHM, J, 1/16W	2	
R3358	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R3359	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R3360	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R3361	D0GB112JA057	M 1.1KOHM, J, 1/16W	1	
R3362	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R3363-65	ERJ3GEYJ100	M 10 OHM, J, 1/16W	3	
R3366	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R3367-69	EXB38V220JV	RESISTOR ARRAY	3	
R3370	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R3371	EXB38V220JV	RESISTOR ARRAY	1	
R3372-74	ERJ3GEYJ220	M 22 OHM, J, 1/16W	3	
R3375-77	D0GB103JA057	M 10KOHM, J, 1/16W	3	
R3378-80	EXB38V220JV	RESISTOR ARRAY	3	
R3381-83	ERJ3GEYJ220	M 22 OHM, J, 1/16W	3	
R3384-86	EXB38V220JV	RESISTOR ARRAY	3	
R3389,90	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R3392	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R3399	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R3400	ERJ6GEYG103	M 10KOHM, J, 1/10W	1	
R3403,04	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R3405,06	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	2	
R3408	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R3411	D0GB102JA057	M 1KOHM, J, 1/16W	1	
R3413,14	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R3416	J0JCC0000100	CHIP INDUCTOR	1	
R3417	ERJ3GEYJ100	M 10 OHM, J, 1/16W	1	
R3508,09	ERJ6GEYF472	M 4.7KOHM, J, 1/10W	2	
R3510,11	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	2	
R3529,30	ERJ6GEYJ184	M 180KOHM, J, 1/10W	2	
R3547,48	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	2	
R3585,86	ERJ6ENF56R0	M 56 OHM, J, 1/10W	2	
R3589	ERJ6GEYF473	M 47KOHM, J, 1/10W	1	
R3590	ERJ6ENF56R0	M 56 OHM, J, 1/10W	1	
R3591-93	ERJ6GEY0R00V	M 0 OHM, 1/10W	3	
R3653	ERJ6GEYF333	M 33KOHM, J, 1/10W	1	
R3654	ERJ6GEYG683	M 68KOHM, J, 1/10W	1	
R3655	ERJ6GEYF333	M 33KOHM, J, 1/10W	1	
R3656	ERJ6GEYG683	M 68KOHM, J, 1/10W	1	
R3663,64	ERJ6GEYG102	M 1KOHM, J, 1/10W	2	
R3668	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	1	
R3672	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	1	
R3776,77	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3778	ERJ6GEYF473	M 47KOHM, J, 1/10W	1	
R3790, 91	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	2	
R4001-03	D1HG1008A002	NETWORK RESISTER	3	
R4004	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R4005	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4006	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	
R4007	ERJ6RED750	M 75 OHM, 1/10W	1	
R4008	J0JCC0000100	CHIP INDUCTOR	1	
R4009	ERJ6RED750	M 75 OHM, 1/10W	1	
R4010	J0JCC0000100	CHIP INDUCTOR	1	
R4011	ERJ6RED750	M 75 OHM, 1/10W	1	
R4012-14	J0JCC0000100	CHIP INDUCTOR	3	
R4016-18	J0JCC0000100	CHIP INDUCTOR	3	
R4019	ERJ3GEYJ100	M 10 OHM, J, 1/16W	1	
R4020	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R4021	J0JCC0000100	CHIP INDUCTOR	1	
R4023	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R4024	J0JCC0000100	CHIP INDUCTOR	1	
R4027	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R4035-38	ERJ3GEYJ101	M 100 OHM, J, 1/16W	4	
R4041, 42	J0JCC0000100	CHIP INDUCTOR	2	
R4139	D0GB102JA057	M 1KOHM, J, 1/16W	1	
R4142	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R4144	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R4148	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R4171	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R4201	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R4211-20	ERJ3GEYJ101	M 100 OHM, J, 1/16W	10	
R4221, 22	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R4242, 43	J0JCC0000100	CHIP INDUCTOR	2	
R4244	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4245	D0GB102JA057	M 1KOHM, J, 1/16W	1	
R4250-52	J0JCC0000100	CHIP INDUCTOR	3	
R4260, 61	J0JCC0000100	CHIP INDUCTOR	2	
R4271-73	D1HG8208A002	NETWORK RESISTER	3	
R4274, 75	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R4276	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4277-79	D1HG1218A002	NETWORK RESISTER	3	
R4280, 81	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R4282	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4312, 13	J0JCC0000100	CHIP INDUCTOR	2	
R4314	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R4316	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R4318, 19	ERJ3GEYJ223	M 22KOHM, J, 1/16W	2	
R4321	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R4324	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R4325-27	EXB38VR000V	RESISTOR ARRAY	3	
R4351, 52	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
R4353	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R4354	ERJ3GEYJ471	M 470 OHM, J, 1/16W	1	
R4355	D0GB473JA057	M 47KOHM, J, 1/16W	1	
R4356	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R4357	ERJ6ENF9100	M 910 OHM, 1/10W	1	
R4358	ERJ6ENF6341	M 6.34KOHM, 1/10W	1	
R4359	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R4360	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R4361	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R4366	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4368	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R4370	ERJ6GEYG222	M 2.2KOHM, J, 1/10W	1	
R4372	J0JCC0000100	CHIP INDUCTOR	1	
R4373, 74	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
R4383, 84	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
R4387, 88	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
R4502	J0JCC0000100	CHIP INDUCTOR	1	
R4503	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R4505	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R4507	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R4509, 10	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R4513	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4514-16	ERJ3GEYJ470	M 47 OHM, J, 1/16W	3	
R4518	J0JCC0000100	CHIP INDUCTOR	1	
R4522	J0JCC0000100	CHIP INDUCTOR	1	
R4526	J0JCC0000100	CHIP INDUCTOR	1	
R4529	J0JCC0000100	CHIP INDUCTOR	1	
R4531	J0JCC0000100	CHIP INDUCTOR	1	
R4533	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4536, 37	J0JCC0000100	CHIP INDUCTOR	2	
R4539	J0JCC0000100	CHIP INDUCTOR	1	
R4544	J0JCC0000100	CHIP INDUCTOR	1	
R4546	J0JCC0000100	CHIP INDUCTOR	1	
R4554	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R4559, 60	D0GB102JA057	M 1KOHM, J, 1/16W	2	
R4564-67	J0JCC0000100	CHIP INDUCTOR	4	
R4568, 69	D1HG1038A002	NETWORK RESISTER	2	
R4573	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R4574	D1HG1218A002	NETWORK RESISTER	1	
R4575, 76	ERJ3GEYJ121	M 120 OHM, J, 1/16W	2	
R4577	D1HG1218A002	NETWORK RESISTER	1	
R4578, 79	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R4580	ERJ6ENF1101	M 1.1KOHM, 1/10W	1	
R4581	ERJ6ENF3161	M 3.16KOHM, 1/10W	1	
R4582, 83	ERJ3GEYJ121	M 120 OHM, J, 1/16W	2	
R4584	D1HG1218A002	NETWORK RESISTER	1	
R4585, 86	ERJ3GEYJ121	M 120 OHM, J, 1/16W	2	
R4587-89	D1HG33080001	NETWORK RESISTER	3	
R4590, 91	ERJ3GEYJ680	M 68 OHM, J, 1/16W	2	
R4595	ERJ3GEYJ680	M 68 OHM, J, 1/16W	1	
R4596	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R4618-21	D1HG33080001	NETWORK RESISTER	4	
R4622	J0JCC0000100	CHIP INDUCTOR	1	
R4626, 27	J0JCC0000100	CHIP INDUCTOR	2	
R4631	J0JCC0000100	CHIP INDUCTOR	1	
R4640	ERJ3GEYJ121	M 120 OHM, J, 1/16W	1	
R4657, 58	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R4691	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R4701	EXB38V103JV	RESISTOR ARRAY	1	
R4702	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4703	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4704	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4706	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R4707	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4708	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R4709	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4710, 11	D0GB103JA057	M 10KOHM, J, 1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4712,13	D1HG1008A002	NETWORK RESISTER	2	
R4715	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4716	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4717	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4718,19	D0GB103JA057	M 10KOHM,J,1/16W	2	
R4722	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R4723	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4724	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4727,28	D0GB103JA057	M 10KOHM,J,1/16W	2	
R4729,30	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R4732	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4734	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4735	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4737	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4738	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4740,41	D1HG1008A002	NETWORK RESISTER	2	
R4742,43	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R4744	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4745	J0JCC0000100	CHIP INDUCTOR	1	
R4746	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4747	EXB38VR000V	RESISTOR ARRAY	1	
R4748-52	J0JCC0000100	CHIP INDUCTOR	5	
R4753	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R4754	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R4755	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R4756	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R4757	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R4758	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R4759	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R4760	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R4761	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4762	J0JCC0000100	CHIP INDUCTOR	1	
R4763	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4764,65	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R4766,67	EXB2HV470JV	RESISTOR ARRAY	2	
R4768	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R4769	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R4770	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R4771	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R4772	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4773	J0JCC0000100	CHIP INDUCTOR	1	
R4774	D0GB102JA057	M 1KOHM,J,1/16W	1	
R4775	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4777	D0GB393JA041	M 39KOHM,J,1/16W	1	
R4778	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4779	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4780,81	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R4783	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4786	EXB38V103JV	RESISTOR ARRAY	1	
R4788	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4790,91	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R4792	D0GB102JA057	M 1KOHM,J,1/16W	1	
R4793	D0GB123JA057	M 12KOHM,J,1/16W	1	
R4795	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4796	D0GB182JA057	M 1.8KOHM,J,1/16W	1	
R4804	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R4806	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4807	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4808	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R4812,13	D0GB103JA057	M 10KOHM,J,1/16W	2	
R4814	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4815	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4817	J0JCC0000100	CHIP INDUCTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4819	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4820	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4821	D0GB102JA057	M 1KOHM,J,1/16W	1	
R4822,23	D0GB103JA057	M 10KOHM,J,1/16W	2	
R4824	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R4825	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4826	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R4828	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4829	D0GB102JA057	M 1KOHM,J,1/16W	1	
R4830	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4832	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4833	D0GB473JA057	M 47KOHM,J,1/16W	1	
R4834	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4835	D0GB102JA057	M 1KOHM,J,1/16W	1	
R4836	D0GB473JA057	M 47KOHM,J,1/16W	1	
R4837	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4838	D0GB102JA057	M 1KOHM,J,1/16W	1	
R4839	D0GB473JA057	M 47KOHM,J,1/16W	1	
R4840	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4841,42	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R4843	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R4844	D0GB102JA057	M 1KOHM,J,1/16W	1	
R4845	ERJ3GEYJ392	M 3.9KOHM,J,1/16W	1	
R4846	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R4847,48	D0GB102JA057	M 1KOHM,J,1/16W	2	
R4849	D0GB123JA057	M 12KOHM,J,1/16W	1	
R4850	D0GB102JA057	M 1KOHM,J,1/16W	1	
R4851-53	D0GB103JA057	M 10KOHM,J,1/16W	3	
R4855	J0JCC0000100	CHIP INDUCTOR	1	
R4856	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R4857	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4858	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4859,60	D0GB103JA057	M 10KOHM,J,1/16W	2	
R4863	J0JCC0000100	CHIP INDUCTOR	1	
R4864	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R4865,66	D0GB103JA057	M 10KOHM,J,1/16W	2	
R4868	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R4869	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4870	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4872	D0GB102JA057	M 1KOHM,J,1/16W	1	
R4873,74	ERJ3GEYJ223	M 22KOHM,J,1/16W	2	
R4876	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4877	D0GB102JA057	M 1KOHM,J,1/16W	1	
R4879	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4881	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R4882	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4883	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4884,85	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R4886	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4887	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4888	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4889	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4891	J0JCC0000100	CHIP INDUCTOR	1	
R4892	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4893	J0JCC0000100	CHIP INDUCTOR	1	
R4894,95	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R4899,00	J0JCC0000100	CHIP INDUCTOR	2	
R4902	J0JCC0000100	CHIP INDUCTOR	1	
R4903	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4904	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4905	J0JCC0000100	CHIP INDUCTOR	1	
R4906	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4907	J0JCC0000100	CHIP INDUCTOR	1	
R4908	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4911-21	ERJ3GEYJ101	M 100 OHM,J,1/16W	11	
R4922	J0JCC0000100	CHIP INDUCTOR	1	
R4925	J0JCC0000100	CHIP INDUCTOR	1	
R4927	J0JCC0000100	CHIP INDUCTOR	1	
R4941	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4942,43	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R4945	J0JCC0000100	CHIP INDUCTOR	1	
R4947	D0GB103JA057	M 10KOHM,J,1/16W	1	
R4951	ERJ3GEYF473	M 47KOHM, 1/16W	1	
R4952	ERJ3EKF1272	M12.7KOHM, 1/16W	1	
R4953	ERJ3EKF5602	M 56KOHM, 1/16W	1	
R4954	ERJ3EKF1102	M 11KOHM, 1/16W	1	
R4955	ERJ3EKF5602	M 56KOHM, 1/16W	1	
R4956	ERJ3EKF1102	M 11KOHM, 1/16W	1	
R4957	ERJ3EKF2052	M20.5KOHM, 1/16W	1	
R4958	ERJ3EKF1822	M18.2KOHM, 1/16W	1	
R4960	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R4962,63	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
R4964	J0JCC0000100	CHIP INDUCTOR	1	
R4972	J0JCC0000100	CHIP INDUCTOR	1	
R4974	J0JCC0000100	CHIP INDUCTOR	1	
R4977	J0JCC0000100	CHIP INDUCTOR	1	
R4980	J0JCC0000100	CHIP INDUCTOR	1	
R4986	D0GB183JA057	M 18KOHM,J,1/16W	1	
R4991,92	D0GB103JA057	M 10KOHM,J,1/16W	2	
R4994,95	D0GB103JA057	M 10KOHM,J,1/16W	2	
R6001	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6003	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6005	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6007	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6020	ERF5TJ330	W 33 OHM, 5W	1	
R6021	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6024	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6026	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6031,32	ERJ6ENF8202	M 82KOHM, 1/10W	2	
R6033	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6034	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6041	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6043	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6045	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6053	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6055	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6102	ERJT06J101V	M 100 OHM,F,0.25W	1	
R6104	ERJT06J101V	M 100 OHM,F,0.25W	1	
R6106	ERJT06J101V	M 100 OHM,F,0.25W	1	
R6108	ERJT06J101V	M 100 OHM,F,0.25W	1	
R6109	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6110	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6111,12	ERJT06J470V	M 47 OHM,F,0.25W	2	
R6113	ERJ14YJ224	M 220KOHM, J,1/4W	1	
R6114	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6116	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6131,32	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6134	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6135,36	ERJT06J100V	M 10 OHM,F,0.25W	2	
R6141,42	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6145	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6146,47	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6151,52	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6154	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6157-60	ERJT08J1R0V	M 1.8OHM,J, 0.33W	4	
R6171	ERJT06J100V	M 10 OHM,F,0.25W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6172,73	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6181	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6182,83	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6191,92	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6193	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6194	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6210	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6213	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6214	ERJT06J151V	M 150 OHM,F,0.25W	1	
R6222	ERG1FJS103D	M 10KOHM, J, 1W	1	
R6223	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6225	ERJ6ENF5492	M54.9KOHM, 1/10W	1	
R6226	ERJ6ENF5622	M5.62KOHM, 1/10W	1	
R6227	ERJ6ENF5102	M 51KOHM, 1/10W	1	
R6232	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R6233	ERJ14YJ154	M 150KOHM, J,1/4W	1	
R6234	ERJ6GEYG183	M 18KOHM,J,1/10W	1	
R6241	EXB38V470J	RESISTOR ARRAY	1	
R6242	EXB38V472JV	RESISTOR ARRAY	1	
R6243	EXB38V470J	RESISTOR ARRAY	1	
R6244	EXB38V472JV	RESISTOR ARRAY	1	
R6246	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6247	ERJT08J154V	M150KOHM,J, 0.33W	1	
R6248	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6249	ERJT08J154V	M150KOHM,J, 0.33W	1	
R6252,53	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6254	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R6255	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6256	ERJ6ENF1801	M 1.8KOHM, 1/10W	1	
R6257	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6258	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6261	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6272	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6273	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6274	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6275	ERJT08J154V	M150KOHM,J, 0.33W	1	
R6276	ERJ6GEYG823	M 82KOHM,J,1/10W	1	
R6277	ERJT08J154V	M150KOHM,J, 0.33W	1	
R6282	ERG2FJS150D	M 15 OHM, J, 2W	1	
R6283	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6284	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R6285	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6286	ERJT06J101V	M 100 OHM,F,0.25W	1	
R6288,89	ERJ6ENF1241	M1.24KOHM, 1/10W	2	
R6290	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6291	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R6292	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6401-04	ERJT08J7R5V	M 7.5OHM,J, 0.33W	4	
R6422-24	ERJT08J7R5V	M 7.5OHM,J, 0.33W	3	
R6441-43	ERJT08J7R5V	M 7.5OHM,J, 0.33W	3	
R6446	ERF5TJ820	W 82 OHM, 5W	1	
R6452,53	ERJT08J7R5V	M 7.5OHM,J, 0.33W	2	
R6465	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6466	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6467,68	ERJ6ENF8202	M 82KOHM, 1/10W	2	
R6471	ERJ6GEYG392	M 3.9KOHM,J,1/10W	1	
R6472	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6473	ERJ6GEYF561	M 560 OHM,J,1/10W	1	
R6474	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R6475,76	ERJ6GEYF472	M 4.7KOHM,J,1/10W	2	
R6477	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6481,82	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6485	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6487	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6488	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6489,90	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6493	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6494,95	ERJ6ENF1003	M 100KOHM, 1/10W	2	
R6496	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6497	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R6498	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6499	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6501,02	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6503	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6504	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6505	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6506	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6507-09	ERJT08J1R0V	M 1.8OHM,J, 0.33W	3	
R6511,12	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6516,17	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6521,22	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6523	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6531	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6532,33	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6551	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6552,53	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6558	J0JCC0000100	CHIP INDUCTOR	1	
R6560	J0JCC0000100	CHIP INDUCTOR	1	
R6561-64	EXB38V470J	RESISTOR ARRAY	4	
R6565-68	EXB38V472JV	RESISTOR ARRAY	4	
R6570	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6571	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6573	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6579	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R6580	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6582,83	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6584	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R6585	ERJ6ENF1801	M 1.8KOHM, 1/10W	1	
R6586	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R6587	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R6588	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6590	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6591	EXB38V472JV	RESISTOR ARRAY	1	
R6592	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R6605	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
R6607	ERJ6ENF6811	M6.81KOHM, 1/10W	1	
R6608,09	ERJT08J102V	M 1KOHM,J, 0.33W	2	
R6610	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6612	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6621	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6623	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6629	ERG2FJS333D	M 33KOHM, J, 2W	1	
R6631	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6633	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6638,39	ERJT08J1R0V	M 1.8OHM,J, 0.33W	2	
R6643	ERJT06J330V	M 33 OHM,F,0.25W	1	
R6645-49	ERJT06J330V	M 33 OHM,F,0.25W	5	
R6651	ERJT06J330V	M 33 OHM,F,0.25W	1	
R6658	D0D1101JA009	M 100 OHM,J,1W	1	
R6659,60	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6661	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6662	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R6663	ERJ6GEYG103	M 10KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6664	ERJT08J222V	M2.2KOHM,J, 0.33W	1	
R6665	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6666	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6667,68	ERJ6GEYF472	M 4.7KOHM,J,1/10W	2	
R6671	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6672	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6673-75	ERJT06J470V	M 47 OHM,F,0.25W	3	
R6692	D0GZ472JA020	M 4.7KOHM,J, 0.5W	1	
R6693	ERJ6GEYG823	M 82KOHM,J,1/10W	1	
R6694	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6695	ERJ8GEYJ124	M 120KOHM, J,1/8W	1	
R6696	ERF5TK2R2	W 2.2 OHM, K, 5W	1	
R6700-04	ERJ6GEYJ471	M 470 OHM,J,1/10W	5	
R6705,06	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6707,08	ERJ6GEYJ471	M 470 OHM,J,1/10W	2	
R6709	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6710-14	ERJ6GEYG222	M 2.2KOHM,J,1/10W	5	
R6716-18	ERJ6GEYG222	M 2.2KOHM,J,1/10W	3	
R6721,22	EXB38V220JV	RESISTOR ARRAY	2	
R6723	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
R6725	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6726	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R6727	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6728	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R6731	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6733	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6742	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6743	ERJ6GEYG332	M 3.3KOHM,J,1/10W	1	
R6745	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R6746,47	ERJT06J103V	M 10KOHM,F,0.25W	2	
R6761	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6762	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6765	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6766	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6768	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6769	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6775,76	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6777	ERJT06J151V	M 150 OHM,F,0.25W	1	
R6781	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6782	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6791	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R6792	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6793	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6802	ERG2FJS683D	M 68KOHM, J, 2W	1	
R6803	ERG3FJS333D	M 33KOHM, J, 3W	1	
R6806,07	ERX12SJ1R2	M 1.2 OHM, J,1/2W	2	
R6808	ERJT06J272V	M 2.7KOHM,F,0.25W	1	
R6809	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6810,11	ERJ6GEYF333	M 33KOHM,J,1/10W	2	
R6812	ERJ6ENF2403	M 240KOHM, 1/10W	1	
R6813	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6814	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R6815	ERJ6GEYG332	M 3.3KOHM,J,1/10W	1	
R6819	ERJ6GEYG681	M 680 OHM,J,1/10W	1	
R6820	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R6821	ERF5TJ221	W 220 OHM, J, 5W	1	
R6822	ERJ12YJ104U	M 100KOHM, 1/2W	1	
R6823	ERGLFJS104D	M 100KOHM, J, 1W	1	
R6824	ERJ6GEYG392	M 3.9KOHM,J,1/10W	1	
R6825-27	ERJ6ENF2003	M 200KOHM, 1/10W	3	
R6828	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R6829,30	ERJ6GEYG104	M 100KOHM,J,1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6831	ERJ6GEYG153	M 15KOHM, J, 1/10W	1	
R6832	ERJT08J4R7V	M 4.7OHM, J, 0.33W	1	
R6833-36	ERJ6ENF7502	M 75KOHM, 1/10W	4	
R6837	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6839	ERJ6GEYF472	M 4.7KOHM, J, 1/10W	1	
R6841	ERJ12YJ153U	M 15KOHM, 1/2W	1	
R6842	ERJ12YJ433U	M 43KOHM, 1/2W	1	
R6843	ERJ6GEYJ623	M 62KOHM, J, 1/10W	1	
R6844	D0D2101JA021	M 100 OHM, J, 2W	1	
R6845-47	ERJ6GEYJ623	M 62KOHM, J, 1/10W	3	
R6848	ERJ6GEYG103	M 10KOHM, J, 1/10W	1	
R6849,50	ERJ6ENF6802	M 68KOHM, 1/10W	2	
R6851	ERJ6ENF1802	M 18KOHM, 1/10W	1	
R6852	ERJ6ENF2701	M 2.7KOHM, 1/10W	1	
R6853	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	1	
R6855	ERJ12YJ103	M 10KOHM, J, 1/2W	1	
R6856	ERQ12AJW560E	F 56 OHM, J, 1/2W	1	
R6857	ERJ12YJ124U	M 120KOHM, 1/2W	1	
R6858	ERJ6GEYG102	M 1KOHM, J, 1/10W	1	
R6860	D0D28R2JA021	M 8.2 OHM, J, 2W	1	
R6861,62	ERJ6ENF5102	M 51KOHM, 1/10W	2	
R6863	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6864	ERJ6ENF6801	M 6.8KOHM, 1/10W	1	
R6865	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R6866	ERJ6ENF6200	M 620 OHM, 1/10W	1	
R6867	ERJ6GEYG392	M 3.9KOHM, J, 1/10W	1	
R6868	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R6869	ERJ6GEYF472	M 4.7KOHM, J, 1/10W	1	
R6870	ERJ6GEYG104	M 100KOHM, J, 1/10W	1	
R6871-73	ERJ6ENF3902	M 39KOHM, 1/10W	3	
R6874	ERJ6ENF6801	M 6.8KOHM, 1/10W	1	
R6875	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R6876	ERJ6RBD561	M 560 OHM, 1/10W	1	
R6877	ERJ6GEYG392	M 3.9KOHM, J, 1/10W	1	
R6878	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R6879	ERJ6GEYF472	M 4.7KOHM, J, 1/10W	1	
R6880	ERG1FJS103D	M 10KOHM, J, 1W	1	
R6881	ERG2FNJS8R2E	M 8.2 OHM, J, 2W	1	
R6882	ERJ6ENF1692	M16.9KOHM, 1/10W	1	
R6883,84	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
R6886-88	ERJ6GEYJ224	M 220KOHM, J, 1/10W	3	
R6889	ERG2FJS223D	M 22KOHM, J, 2W	1	
R6890	ERJ6GEYF472	M 4.7KOHM, J, 1/10W	1	
R6891-93	ERJ6GEYF473	M 47KOHM, J, 1/10W	3	
R6894	ERJ6GEYG103	M 10KOHM, J, 1/10W	1	
R6895-97	ERJ6ENF4702	M 47KOHM, 1/10W	3	
R6898	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R6899	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R6901	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	1	
R6902-04	ERJ3GEYJ220	M 22 OHM, J, 1/16W	3	
R6905	ERJ6GEYG221	M 220 OHM, J, 1/10W	1	
R6909	ERJ6GEYG221	M 220 OHM, J, 1/10W	1	
R6913	ERJ6GEYG221	M 220 OHM, J, 1/10W	1	
R6917	ERJ6GEYG221	M 220 OHM, J, 1/10W	1	
R6924	ERJ6GEYG221	M 220 OHM, J, 1/10W	1	
R6925,26	J0JCC0000100	CHIP INDUCTOR	2	
R6931-34	ERJ6GEYG103	M 10KOHM, J, 1/10W	4	
R6935,36	ERJ8GEYJ224	M 220KOHM, J, 1/8W	2	
R6938	ERJ6GEYG103	M 10KOHM, J, 1/10W	1	
R6951	ERJ6GEYG221	M 220 OHM, J, 1/10W	1	
R6955	ERJ6GEYG221	M 220 OHM, J, 1/10W	1	
R6959	ERJ6GEYG221	M 220 OHM, J, 1/10W	1	
R6963	ERJ6GEYG221	M 220 OHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6967	ERJ6GEYG221	M 220 OHM, J, 1/10W	1	
R6971	ERJ6GEYJ101V	M 100 OHM, J, 1/10W	1	
R6972-74	ERJ3GEYJ220	M 22 OHM, J, 1/16W	3	
R6975,76	J0JCC0000100	CHIP INDUCTOR	2	
R6981-84	ERJ6GEYG103	M 10KOHM, J, 1/10W	4	
R6985,86	ERJ8GEYJ224	M 220KOHM, J, 1/8W	2	
R6989	ERJ6GEYG103	M 10KOHM, J, 1/10W	1	
R7103	EXB38V220JV	RESISTOR ARRAY	1	
R7105,06	D0GZ100JA020	M 10 OHM, J, 0.5W	2	
R7108	EXB38V102J	RESISTOR ARRAY	1	
R7110	EXB38V220JV	RESISTOR ARRAY	1	
R7111,12	D0GZ100JA020	M 10 OHM, J, 0.5W	2	
R7113	D0GB102JA057	M 1KOHM, J, 1/16W	1	
R7115-18	D0GZ100JA020	M 10 OHM, J, 0.5W	4	
R7122-25	D0GZ100JA020	M 10 OHM, J, 0.5W	4	
R7127	EXB38V471J	RESISTOR ARRAY	1	
R7130-33	D0GZ100JA020	M 10 OHM, J, 0.5W	4	
R7135-38	D0GZ100JA020	M 10 OHM, J, 0.5W	4	
R7145	EXB38V471J	RESISTOR ARRAY	1	
R7146-49	D0GZ100JA020	M 10 OHM, J, 0.5W	4	
R7154-57	D0GZ100JA020	M 10 OHM, J, 0.5W	4	
R7166-73	EXB38V471J	RESISTOR ARRAY	8	
R7179	D0GF472JA047	M 4.7KOHM, J, 0.33W	1	
R7183	EXB38V220JV	RESISTOR ARRAY	1	
R7184	EXB38V102J	RESISTOR ARRAY	1	
R7191,92	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R7193	J0JCC0000100	CHIP INDUCTOR	1	
R7195	EXB38V470J	RESISTOR ARRAY	1	
R7198,99	D0GZ100JA020	M 10 OHM, J, 0.5W	2	
R7202	EXB38V220JV	RESISTOR ARRAY	1	
R7205	EXB38V220JV	RESISTOR ARRAY	1	
R7210	EXB38V222J	RESISTOR ARRAY	1	
R7211-14	D0GZ100JA020	M 10 OHM, J, 0.5W	4	
R7219	EXB38V471J	RESISTOR ARRAY	1	
R7220	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R7221-23	EXB38V471J	RESISTOR ARRAY	3	
R7224-27	D0GZ100JA020	M 10 OHM, J, 0.5W	4	
R7229-32	D0GZ100JA020	M 10 OHM, J, 0.5W	4	
R7240,41	EXB38V471J	RESISTOR ARRAY	2	
R7243	EXB38V102J	RESISTOR ARRAY	1	
R7244	EXB38V222J	RESISTOR ARRAY	1	
R7245-47	EXB38V470J	RESISTOR ARRAY	3	
R7250	EXB38V470J	RESISTOR ARRAY	1	
R7251	EXB38V222J	RESISTOR ARRAY	1	
R7252	J0JCC0000100	CHIP INDUCTOR	1	
R7254-59	D0GZ100JA020	M 10 OHM, J, 0.5W	6	
R7301-04	D0GZ100JA020	M 10 OHM, J, 0.5W	4	
R7309-12	D0GZ100JA020	M 10 OHM, J, 0.5W	4	
R7317-20	D0GZ100JA020	M 10 OHM, J, 0.5W	4	
R7325	EXB38V102J	RESISTOR ARRAY	1	
R7327	EXB38V220JV	RESISTOR ARRAY	1	
R7330	EXB38V220JV	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7334-39	EXB38V102J	RESISTOR ARRAY	6	
R7341	ERJ6GEYG102	M 1KOHM, J, 1/10W	1	
R7342	D0GF472JA047	M 4.7KOHM, J, 0.33W	1	
R7343	EXB38V471J	RESISTOR ARRAY	1	
R7344	EXB38V470J	RESISTOR ARRAY	1	
R7345	EXB38V471J	RESISTOR ARRAY	1	
R7346	EXB38V470J	RESISTOR ARRAY	1	
R7347	EXB38V471J	RESISTOR ARRAY	1	
R7348	EXB38V470J	RESISTOR ARRAY	1	
R7349	EXB38V471J	RESISTOR ARRAY	1	
R7350	EXB38V470J	RESISTOR ARRAY	1	
R7351	EXB38V471J	RESISTOR ARRAY	1	
R7352	EXB38V470J	RESISTOR ARRAY	1	
R7353	EXB38V471J	RESISTOR ARRAY	1	
R7354	EXB38V470J	RESISTOR ARRAY	1	
R7361	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R7364, 65	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R7366	J0JCC0000100	CHIP INDUCTOR	1	
R7367-72	D0GZ100JA020	M 10 OHM, J, 0.5W	6	
R8001-04	ERJ3GEYJ101	M 100 OHM, J, 1/16W	4	
R8005	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R8007	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R8009-12	ERJ3GEYJ221	M 220 OHM, J, 1/16W	4	
R8017, 18	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	2	
R8021	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R8025	J0JCC0000100	CHIP INDUCTOR	1	
R8026	ERJ3GEYJ331	M 330 OHM, J, 1/16W	1	
R8029	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R8031	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R8033	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R8035	ERJ6ENF3300	M 330 OHM, 1/10W	1	
R8036	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R8037	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R8039	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R8041	D0GB183JA057	M 18KOHM, J, 1/16W	1	
R8045	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R8047	ERJ3GEYJ271	M 270 OHM, J, 1/16W	1	
R8048	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R8050	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R8051	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R8054	J0JCC0000100	CHIP INDUCTOR	1	
R8055, 56	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R8057	D0GB102JA057	M 1KOHM, J, 1/16W	1	
R8060	J0JCC0000100	CHIP INDUCTOR	1	
R8065	ERJ3GEYJ911	M 910 OHM, J, 1/16W	1	
R8067	D0GB151JA057	M 150 OHM, J, 1/16W	1	
R8069	ERJ6GEYG222	M 2.2KOHM, J, 1/10W	1	
R8072	J0JCC0000100	CHIP INDUCTOR	1	
R8089	D0GB181JA057	M 180 OHM, J, 1/16W	1	
R8093	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R8094	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R8096	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R8097	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R8100	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R8112	J0JCC0000100	CHIP INDUCTOR	1	
R8117-20	J0JCC0000100	CHIP INDUCTOR	4	
R8121, 22	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	2	
R8124-27	ERJ3GEYJ101	M 100 OHM, J, 1/16W	4	
R8129	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R8180	ERJ8GEYJ820V	M 82 OHM, J, 1/8W	1	
R8181, 82	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R8183, 84	J0JCC0000100	CHIP INDUCTOR	2	
R8185, 86	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8187, 88	ERJ3GEYJ560	M 56 OHM, J, 1/16W	2	
R8189, 90	J0JCC0000100	CHIP INDUCTOR	2	
R8200	ERJ3GEYJ563	M 56KOHM, J, 1/16W	1	
R8201	D0GB473JA057	M 47KOHM, J, 1/16W	1	
R8202	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R8203	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R8204	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R8205	D0GB753JA057	M 75KOHM, J, 1/16W	1	
R8206	D0GB393JA041	M 39KOHM, J, 1/16W	1	
R9062-67	ERJ3GEYJ101	M 100 OHM, J, 1/16W	6	
R9070	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R9099	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R9101, 02	D0GB103JA057	M 10KOHM, J, 1/16W	2	
R9104, 05	D0GB103JA057	M 10KOHM, J, 1/16W	2	
R9107	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R9108, 09	D0GB103JA057	M 10KOHM, J, 1/16W	2	
R9110	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9112	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R9113	ERJ3GEYJ100	M 10 OHM, J, 1/16W	1	
R9115, 16	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R9119	EXB38V470J	RESISTOR ARRAY	1	
R9120	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9121	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9122, 23	D0GB103JA057	M 10KOHM, J, 1/16W	2	
R9126	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R9127	ERJ3GEYJ683	M 68KOHM, J, 1/16W	1	
R9129	ERJ3GEYJ683	M 68KOHM, J, 1/16W	1	
R9131-33	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	3	
R9134	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R9135	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9141-45	ERJ3GEYJ101	M 100 OHM, J, 1/16W	5	
R9149	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9150, 51	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R9154, 55	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	2	
R9156	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R9158, 59	D0GB103JA057	M 10KOHM, J, 1/16W	2	
R9160, 61	J0JCC0000100	CHIP INDUCTOR	2	
R9164, 65	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	2	
R9166	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R9167	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9170-72	D0GB393JA041	M 39KOHM, J, 1/16W	3	
R9173, 74	D0GB103JA057	M 10KOHM, J, 1/16W	2	
R9177	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R9181-84	D0GB102JA057	M 1KOHM, J, 1/16W	4	
R9185, 86	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R9187, 88	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	2	
R9189, 90	D0GB103JA057	M 10KOHM, J, 1/16W	2	
R9193	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R9194	J0JCC0000100	CHIP INDUCTOR	1	
R9196	D0GB103JA057	M 10KOHM, J, 1/16W	1	
R9199	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R9200, 01	ERJ3GEYJ100	M 10 OHM, J, 1/16W	2	
R9203	D0GB102JA057	M 1KOHM, J, 1/16W	1	
R9205	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9206,07	D0GB102JA057	M 1KOHM,J,1/16W	2	
R9215	D0GB123JA057	M 12KOHM,J,1/16W	1	
R9217-22	D0GB103JA057	M 10KOHM,J,1/16W	6	
R9223	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9225	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9237	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9240	J0JCC0000100	CHIP INDUCTOR	1	
R9317	ERJ3GEYJ391	M 390 OHM,J,1/16W	1	
R9347,48	EXB2HV220JV	RESISTOR ARRAY	2	
R9349	EXB2HV470JV	RESISTOR ARRAY	1	
R9350,51	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9352-56	EXB2HV220JV	RESISTOR ARRAY	5	
R9357-59	EXB2HV470JV	RESISTOR ARRAY	3	
R9361,62	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9363	EXB2HV470JV	RESISTOR ARRAY	1	
R9369	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9370	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9371	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9379	J0JCC0000100	CHIP INDUCTOR	1	
R9380	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9383	D0GB102JA057	M 1KOHM,J,1/16W	1	
R9384,85	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9391	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9392,93	J0JCC0000100	CHIP INDUCTOR	2	
R9396-99	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R9402	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R9403	EXB2HV470JV	RESISTOR ARRAY	1	
R9501	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9503	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9506	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9507	J0JCC0000100	CHIP INDUCTOR	1	
R9512,13	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9514	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9516	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9518	J0JCC0000100	CHIP INDUCTOR	1	
R9520	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9523	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9525	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9526	J0JCC0000100	CHIP INDUCTOR	1	
R9530	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9531-33	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R9534	EXB38V470J	RESISTOR ARRAY	1	
R9535,36	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9538	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9540,41	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9543,44	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9545	ERJ3GEYJ304	M 300KOHM,J,1/16W	1	
R9548-50	D0GB103JA057	M 10KOHM,J,1/16W	3	
R9552	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9553-55	J0JCC0000100	CHIP INDUCTOR	3	
R9556	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9557,58	J0JCC0000100	CHIP INDUCTOR	2	
R9561	EXB38V222J	RESISTOR ARRAY	1	
R9562	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9563-66	EXB2HV470JV	RESISTOR ARRAY	4	
R9567	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9569	J0JCC0000100	CHIP INDUCTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9824-27	ERJ3GEYJ101	M 100 OHM,J,1/16W	4	
R9828	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9839	EXB38V101JV	RESISTOR ARRAY	1	
R9840	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9845	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9846,47	EXB2HV222JV	RESISTOR ARRAY	2	
R9848,49	EXB2HV470JV	RESISTOR ARRAY	2	
R9850	D0GB473JA057	M 47KOHM,J,1/16W	1	
R9854	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9859	EXB38V101JV	RESISTOR ARRAY	1	
R9861-63	D0GB103JA057	M 10KOHM,J,1/16W	3	
R9868	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9869-71	D0GB103JA057	M 10KOHM,J,1/16W	3	
R9872	J0JCC0000100	CHIP INDUCTOR	1	
R9874	J0JCC0000100	CHIP INDUCTOR	1	
R9878	ERJ3EKF1102	M 11KOHM, 1/16W	1	
R9879	ERJ3EKF1302	M 13KOHM, 1/16W	1	
R9886,87	ERJ3EKF5602	M 56KOHM, 1/16W	2	
R9888	ERJ3EKF1102	M 11KOHM, 1/16W	1	
R9889	ERJ3EKF1742	M17.2KOHM, 1/16W	1	
R9890	ERJ3EKF4752	M47.5KOHM, 1/16W	1	
R9891	ERJ3EKF1272	M12.7KOHM, 1/16W	1	
R9892	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9893	ERJ3EKF5602	M 56KOHM, 1/16W	1	
R9894	ERJ3EKF1102	M 11KOHM, 1/16W	1	
R9895	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9896	ERJ3EKF1822	M18.2KOHM, 1/16W	1	
R9897	ERJ3EKF4752	M47.5KOHM, 1/16W	1	
R9901,02	J0JCC0000100	CHIP INDUCTOR	2	
R9903	EXB2HV470JV	RESISTOR ARRAY	1	
R9904	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9905	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9906	EXB38V470J	RESISTOR ARRAY	1	
R9907	D0GB151JA057	M 150 OHM,J,1/16W	1	
R9908-11	J0JCC0000100	CHIP INDUCTOR	4	
R9915-18	J0JCC0000100	CHIP INDUCTOR	4	
R9919	D0GB102JA057	M 1KOHM,J,1/16W	1	
R9922	J0JCC0000100	CHIP INDUCTOR	1	
R9928	J0JCC0000100	CHIP INDUCTOR	1	
R9936-39	ERJ3EKF1001	M 1KOHM, 1/16W	4	
R9940	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9941,42	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9943-51	EXB38V470J	RESISTOR ARRAY	9	
R9952-55	ERJ3GEYJ470	M 47 OHM,J,1/16W	4	
R9956	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9960	J0JCC0000100	CHIP INDUCTOR	1	
R9961	D0GB103JA057	M 10KOHM,J,1/16W	1	
RF601	A5MC100JP2	139C 10	1	⚠
RM001	PNA4701M05TV	REMOCON RECEIVER	1	
S34	K1KA03AA0193	3P CONNECTOR	1	
SC2	K1KA02A00676	2P CONNECTOR	1	
SC20	K1KY30AA0369	30P CONNECTOR	1	
SC30	K1KA10AA0191	10P CONNECTOR	1	
SC41	K1ML80B00001	80P CONNECTOR	1	
SC43	K1ML80B00001	80P CONNECTOR	1	
SC45,46	K1KA09AA0707	9P CONNECTOR	2	
SCMM2,M3	TMME260	CLAMPER	2	
SD1-D4	K1MN96BA0260	96P CONNECTOR	4	
SD46	K1KB09AA0219	9P CONNECTOR	1	
SS11	K1KA02A00676	2P CONNECTOR	1	
SS12	K1KA10AA0194	10P CONNECTOR	1	
SS21,22	K1KA07A00170	7P CONNECTOR	2	

